

CARL JÄGER

Tonindustriebedarf GmbH

Seit 1930

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Clay flours and plastic clay masses | Raw materials for masses and glazes
Glazes, Engobes, Decorating colours | Ceramic machines and devices
Tools and auxiliary devices | Ceramic Kilns | Potter's Wheels

Catalogue 2026 | 2027

How to find us ...

Main office:

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www.carl-jaeger.de

Opening hours:

Monday to Fridays 7.45 - 12.00
13.00 - 16.30

Because of stock-taking our business is closed from December 19st to January 3rd.

Phone hours for orders:

Monday to Fridays 9.00 - 11.30
13.30 - 15.30

Directions:

Hilgert is situated in the middle between Cologne and Frankfurt. You leave the motorway A 48 (junction Dernbach-Trier) at the exit „Höhr-Grenzhausen“ and follow the signs for „Ransbach-Baumbach“. After 2 km before the entrance to the village Hilgert you turn right into the industrial area.



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A traditional company with vision

For over 95 years, we have been synonymous with high-quality products and reliable service. We use our expertise to supply customers in the ceramics industry as well as potteries, workshops, artists, schools, nurseries and therapeutic institutions, combining traditional craftsmanship with state-of-the-art technology. Quality, sustainability and innovation are the values that characterise our company.

Extensive expertise, reliability and the speedy processing of your orders have made us one of the most important suppliers in the ceramic supplies sector in Europe over the last few decades.

Our highly trained team currently includes a qualified ceramics engineer and a ceramics technician. Competent advice and assistance with problem solving are of great importance to us!

Our own clay and glaze processing facilities and our laboratory enable us to respond to special customer requests and also to produce masses or glazes according to your requirements.

On-site collection is possible, as is shipping throughout Europe!

We look forward to hearing from you and are happy to provide you with advice and assistance!



Carl Jäger
* 1880 † 1960

Your supplier for all ceramic equipment

Prices and deliveries

Our delivery- and payment-conditions are conditional for all our deliveries.

Please be so kind to understand that we need to ask for a **minimum order-amount of EUR 150** for orders from foreign countries due to high liquidation costs and efforts (in exceptional cases also plus EUR 10 for small amounts). While catalogue is valid changes in prices can become necessary. A page with the changed figures is included.

For pricing information

Please scan the QR code and enter the order number in the search field.

Alternatively, you can find the prices at shop.carl-jaeger.de



Attention frost! Goods marked thus are not frost resistant and can be shipped in good weather only!



Goods marked thus:
Delivery is only possible by a **carrier, not by parcel service!**



Picture: www.dpdhl.com



Picture: www.dpd.com

2 | Clay flours and grogs

For prices, scan the
QR code and enter
the order-no.



In order to achieve ceramic bodies the clay flours have to be compounded with other clay flours or grogs (upon request we are glad to give you guidelines for compounding).



Order-no. **Light clays**

- 02010 **Westerwald white-fat special clay WF** Light-burning, plastic, good plasticity, sintering at approx. 1195-1240°C. To be used for: throwing bodies, fine stoneware, glazes and engobes. Addition in casting-slips to raise the dry strength
- 02030 **Light-burning special casting clay 132/I** Very light-burning, half-fat, good fitting of the glaze, sintering at 1170-1200°C. To be used for: light-burning casting-slips, stone-ware, pressed electric-products, engobes
- 02040 **Westerwald white half-fat clay HF** Light-burning, pourable, good fitting of the glaze, sintering at 1240°C. To be used as additional clay for: casting slips, engobes, throwing bodies, tiles, slabs
- 02050 **Westerwald white lean clay WM** Light-burning, highly valuable shortening means To be used for: casting slips, throwing bodies, engobes, architectural ceramics
- 02170 **Clay-flour GT** White fat, special clay for glazes for all temperatures, ideal for all light glazes because very pure

Order-no. **Coloured clays**

- 02110 **Odenwald red-burning special casting clay 84/rf** Burns red, half-fat, very good pourability, early sintering at approx. 1025-1085°C, good fitting of the glaze. To be used for: red casting slips and throwing bodies, engobes, floor-tiles, grinding wheels as binding clay, architectural ceramics
- 02120 **Westerwald red-burning clay 178/RI** Brick-red to dark-red burning, half-fat, plastic, good plasticity, sintering at approx. 1150-1170°C. To be used for: art ceramics, floor-tiles, plant-vessel, architectural ceramics, engobes
- 02150 **Yellow-burning clay 159/G** Fat clay, yellow-burning, at approx. 1150°C brownish-yellow, sintering at approx. 1195-1240°C. To be used as addition to white clays and masses, for throwing and pressing and for engobes
- 02160 **Manganese-clay** Meager, firing range 1000-1080°C, sintering at approx. 1055-1085°C To be used for: colouring of engobes, architectural ceramics, art ceramics

Order-no. **Grogs / Chamottes**

max. temp

- | | | | | |
|-------|--------------------------|------------|---------------|--------|
| 02510 | Light-burning 91/ | 0 - 0,1 mm | particle size | 1300°C |
| 02520 | Light-burning 91/ | 0 - 0,2 mm | particle size | 1300°C |
| 02530 | Light-burning 91/ | 0 - 0,5 mm | particle size | 1300°C |
| 02540 | Light-burning 91/ | 0 - 1 mm | particle size | 1300°C |
| 02550 | Light-burning 91/ | 0 - 2 mm | particle size | 1300°C |
| 02590 | Red-burning R/ | 0 - 0,5 mm | particle size | 1250°C |
| 02600 | Red-burning R/ | 0 - 1 mm | particle size | 1250°C |
| 02610 | Red-burning R/ | 0 - 2 mm | particle size | 1250°C |
| 02720 | Black-burning S/ | 0 - 0,5 mm | particle size | 1200°C |
| 02700 | Black-burning S/ | 0,5 - 2 mm | particle size | 1200°C |



For prices, scan the
QR code and enter
the order-no.

Casting slips | 3

The casting slips should have a weight of 1,8 kg per liter and should run down viscously from the finger, thus not drop. It is recommended to sieve the masses before use (sieve 52-72 mesh), in order to avoid contaminations, lumps or air bubbles. To increase the fitting of the glaze roughly 7% calcite (already contained in 23/WKFL and 23/WK) can be added to the casting slip relating to the amount of the dry-mass (= roughly 500 g per bucket).

A **brown-burning** casting slip results from adding 2-5% manganese-dioxide to the red-burning mass.

For tiles and plates 20-50% chamottes can be added to the casting slips. In this case the castings slips have to be processed rather rigidly in order to avoid a deposition of the chamottes.



Hint: The higher a casting slip is burnt the darker it turns out to be! At a burning temperature of 1050°C all white casting slips are similar to the sample of 23WK/FL.

Liquid casting slips

Freight forwarding

To avoid a deposit of the liquid casting slips during transport or storage, the masses are rather stiff. Before use the whole content needs to be stirred well and if

necessary diluted with a little water (always necessary in case of a full casting). Delivery is only possible by a **carrier, not by parcel service!** ❄️

	Order-no.	name	firing-colour	firing range	dense at approx.
	02210	GM/FL	white	1000 - 1250°C	1220 °C
	02220	21W/FL	white	1000 - 1200°C	1180 °C
	02200	23WK/FL	white	1000 - 1150°C	- - -
	02230	22R/FL	red	1000 - 1120°C	1080 °C
	Early sintering masses				
	02350	24F/FL	white	1000 - 1120°C	1080 °C

→ Product will be discontinued



Casting slips as powder

The casting slips as powders are prepared with 38-44% water and 0,1-0,4% Formsil 113/. To the casting slips GM and 22R roughly 0,1-0,2% of the deflocculant CJ has to be added additionally. The exact proportion depends on the water-quality and needs to be found out by

trials. **If you order for the first time please also ask for the deflocculant-manual.** To avoid white flocculants on the burnt, red, un-glazed shards roughly 0,5% barium-carbonate should be added to the casting slip 22/R.

Order-no.	name	firing-colour	firing range	dense at approx.
02250	GM	white	1000 - 1250°C	1220 °C
02260	21W	white	1000 - 1200°C	1180 °C
02280	23WK	white	1000 - 1150°C	- - -
02270	22R	red	1000 - 1120°C	1080 °C

→ Product will be discontinued

Order-no.	Deflocculant
14310	Formsil 113/ Amount to be added: 0,1 to 0,5% in relation to the dry substance; added to the tempering water. Original-package: 25 kg.
14360	Deflocculant CJ Can be combined with other deflocculants in order to increase the deflocculation. Especially suited for extraction of thixotropy of ceramic casting slips. Original-package: 25 kg
14380	Sodium Silicate 37/40 Bé (liquid) Can be used together with Formsil 113/; addition of 0,4% (related to the dry substance). Original-package: container of 14 kg



Attention frost!

Goods thus marked are not frost resistant and can be shipped in good weather only.

4 | Plastic clay masses

For prices, scan the QR code and enter the order-no.



Our plastic clay masses, **which we produce ourselves**, consist of a mixture of several clays with or without the addition of fireclay.

The compounds are packaged in 10 kg plastic bags and have a long shelf life when tightly sealed.

Shipping per  : **max. 2 bags** per Paket!

 Clay masses are not frost resistant and can be shipped in good weather only!

Volume discounts for single-variety purchases of	
1 bag	($\hat{=}$ 10 kg)
10 bags	($\hat{=}$ 100 kg)
50 bags	($\hat{=}$ 500 kg)
100 bags	($\hat{=}$ 1000 kg)



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01030	8/ (Steingut)	without chamotte	max. 1150°C	-	✓ → Will be removed from the program.
01040	9/	without chamotte	max. 1260°C	1220°C	✓
01500	9/ZF	20 % 0 - 0,1 mm	max. 1280°C	1220°C	✓
01590	9/SF	20 % 0 - 0,2 mm	max. 1280°C	1240°C	✓
01130	9/FS	20 % 0 - 0,5 mm	max. 1280°C	1240°C	✓
01420	9/P	30 % 0 - 0,5 mm	max. 1160°C	-	✓ → Will be removed from the program.
01280	9/M	40 % 0 - 0,5 mm	max. 1280°C	1250°C	✓
01230	9/S	20 % 0 - 1,0 mm	max. 1280°C	1250°C	-
01320	9/GS	35 % 0 - 2,0 mm	max. 1280°C	1250°C	-

Early sintering masses:

01080	8/F	without chamotte	max. 1120°C	1090°C	✓
Some glazes react with this clay body and may change! We recommend testing the interaction between the clay body and glaze beforehand.					
01180	8F/FS	20 % 0 - 0,5 mm	max. 1120°C	1090°C	✓



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01060	32/	without chamotte	max. 1260°C	1200°C	-
01251	32/SF	20 % 0 - 0,2 mm	max. 1260°C	1220°C	-
01160	32/FS	20 % 0 - 0,5 mm	max. 1260°C	1220°C	-

The spots form at a burning temperature of approx. 1150°C.

The technical infomation can only be illustrative. Diviations are possible.



For prices, scan the
QR code and enter
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Plastic clay masses | 5



Without grogs (.../)

for throwing and building up small things with little
and regular mural thickness

Minuteley grogged (.../ZF, SF, FS, L)

for throwing and building up

Grogged (.../S)

for building up bigger works

Highly grogged (.../M)

for building up bigger works, for plates and Raku.

Largely safe against curling up during drying and burning

Coarsely grogged(.../GS)

for rough surfaces, big sculptures and Raku

If you order 1000 kg
or more we can
alter or produce
masses

according to your wishes.

Applications for our clays



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01050	12/	without chamotte	max. 1250°C	1200°C	✓
01150	12/FS	20 % 0 - 0,5 mm	max. 1250°C	1200°C	✓



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01020	4/	without chamotte	max. 1200°C	1150°C	✓
01620	4/ZF	20 % 0 - 0,1 mm	max. 1200°C	1150°C	✓
01550	4/SF	20 % 0 - 0,2 mm	max. 1220°C	1180°C	✓
01120	4/FS	20 % 0 - 0,5 mm	max. 1220°C	1180°C	✓
01270	4/M	40 % 0 - 0,5 mm	max. 1220°C	1200°C	✓
01220	4/S	30 % 0 - 1,0 mm	max. 1220°C	1180°C	-
01310	4/GS	35 % 0 - 2,0 mm	max. 1220°C	1200°C	-



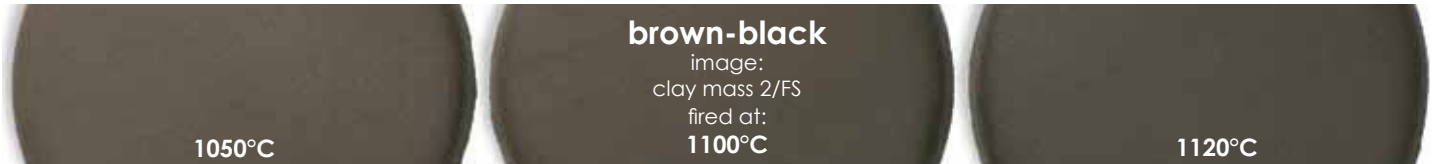
Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01540	10/ZF	20 % 0 - 0,1 mm	max. 1130°C	1080°C	✓
01570	11/SF	20 % 0 - 0,2 mm	max. 1150°C	1100°C	✓
01140	10/L	20 % 0 - 0,5 mm	max. 1130°C	1080°C	✓

6 | Plastic clay masses

For prices, scan the QR code and enter the order-no.



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01330	17/GS	20 % 0,5 - 2 mm (black chamotte)	max. 1220°C	1200°C	-



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01010	2/	without chamotte	max. 1100°C	1080°C	-
01110	2/FS	20 % 0 - 0,5 mm	max. 1130°C	1120°C	-

Using the brown-black clay can cause changes in the glaze (e. g. bubbles).
We recommend to test the interaction clay / glaze in advance!



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01090	18/	without chamotte	max. 1220°C	1200°C	-
01290	18/M	40 % 0 - 0,5 mm	max. 1220°C	1200°C	-

Purchased plastic clay masses



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01630	16/M	40 % 0 - 0,5 mm	max. 1350°C	-	✓



Order-no.	name	chamotte	firing range ca. 1000°C -	dense at approx.	vacuum-packed
01430	Paperclay	without chamotte	max. 1300°C	-	✓

Attention: When burning paperclay the paper burns out. Thus smoke can rise up.
Therefore, make sure that the oven and the burning-room are well aired until a temperature of at least 450°C is reached.

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Porcelain: Claudia Henkel, Höhr-Grenzhausen

Porcelain mass Audrey Blackmann

Sensitive to frost. See note on page 1. ❄️

1220 - 1280°C (dense at approx. 1200°C)
White – translucent firing porcelain quality from England.
The porcelain mass is characterised by very good plastic
processing properties, a high degree of whiteness and
beautiful translucency.
Delivery is in plastic bags.
Container size approx. 12.5 kg.

Order-no.	firing-colour	volume discounts
01613	white	80 bags
		40 bags
		8 bags
		1 bags

Plastic porcelain mass, ungrogged

(German Porcelain)

Sensitive to frost. See note on page 1. ❄️

1230 - 1300°C (dense at approx. 1230°C)
For throwing and building-up of smaller things with thin and
even wall-thickness. Delivery in plastic bags of 10 kg.

Order-no.	firing-colour	volume discounts
01610	white	1.000 kg
		500 kg
		100 kg
		10 kg

Limoges porcelain casting slip (powder)

1200 - 1280°C (dense at approx. 1230°C)
Normally no deflocculant needs to be added to the porcel-
lain-casting slip since this has already been mixed into the
slip. Only very occasionally (i. e. in case of very hard water)
0,05% of a deflocculant CJ can be added. The amount of
water needed for the tempering water is approx. 48%. The
liter-weight is optimally between 1701-1740 g/L

Order-no.	firing-colour	volume discounts
02360	white	500 kg
		100 kg
		25 kg
		1 kg

Soft paste china casting slip (liquid) Freight forwarding 🚚

Sensitive to frost. See note on page 1. ❄️

1230 - 1300°C (dense at approx. 1250°C)
Delivered in plastic buckets of 10 kg.
Delivery is only possible by a **carrier!**

Order-no.	firing-colour	volume discounts
02231	snow-white	10 bucket
		1 bucket

Porcelain glaze 12595

1250 - 1300°C
suitable for reductional and oxidational atmospheres, can
be coloured with oxides or stains

Order-no.	firing-colour
05950	transparent glossy

quantity discount
see page 12

8 | Masses- and glaze rawmaterials

For prices, scan the
QR code and enter
the order-no.



Order-no.		original- container kg:	Volume discounts for purchases of 500 kg, original-container, 10 kg, 1 kg
13040	Ball-Clay Hymod <i>Hymod ball clay</i> English, fat clay	25	
	Highly plastic clay, light-burning, increases the plasticity in clay-masses, decreases the flocculation of glazure-slurry (addition roughly 2-5%)		
13060	Bariumcarbonat 125/ <i>barium carbonate</i> BaCO_3	25	
	Flux for matt glazes, allows glass formation in combination with zincoxid and strontiumcarbonat; an addition of roughly 1% in dark-burning masses prevents flocculation		
13071	Basaltmehl 333/ <i>basalt powder</i> feldspar	25	
	Matting agent, results in dark glazes, works as shortener which produces different colour-effects in masses		
13080	Bentonit 57/ <i>bentonite</i> $\text{Al}_2\text{O}_3 - 4\text{SiO}_2 - \text{H}_2\text{O}$	25	
	Very plastic, able to swell, an addition of 1-3% in glazes acts as suspending agent, it can also be used as plasticizer (addition: up to 5%) in masses		
13100	Borax 183/ <i>borax</i> $\text{Na}_2\text{B}_4\text{O}_7 - 10 \text{H}_2\text{O}$	25	→ Can only be sold to commercial users. We need your proof.
	Strong flux for low-melting glazes, water-soluble, stimulates the interlocking between glaze and shards		
13120	Braunstein A 45 <i>manganese dioxide</i> approx. 78 % MnO_2	25	
	Roughly 78% manganese-dioxide, causes brown or black colouring in masses and glazes, nice effects can be had by rubbing it into hollows of bisque fired material		
13150	Calziumborat 51/ <i>calcium borate</i> $\text{CaO} - \text{B}_2\text{O}_3 - 2\text{H}_2\text{O}$	25	→ Can only be sold to commercial users. We need your proof.
	High quality flux for low-melting glazes, stresses and fissures are minimized, while burning scattering of the glaze can happen		
13190	China-Clay Grolleg <i>china clay</i> $\text{Al}_2\text{O}_3 - 2\text{SiO}_2 - 2\text{H}_2\text{O}$	25	
	White-burning English China-Clay which can be used in glazes as well as in masses (high refractory)		
13180	Chromoxid 24/ <i>chrome oxide</i> Cr_2O_3	25	
	Results in green colours (addition: 1-3%), in tin-glazes a pink colour can be achieved by adding 0,1-0,5%		
13220	Dolomit 5/T <i>dolomite</i> $\text{MgCO}_3 - \text{CaCO}_3$	40	
	If the addition amount ist little: flux, if bigger (5-15%): matting agent		
13250	Eisenoxid 25/ rot <i>iron oxide red</i> (Bayferrox 130 B) 97% Fe_2O_3	25	
	Addition of 1-10%, resulting colours: honey-yellow to brown-red to wine-red in darkbrown		
13260	Eisenoxid 316/ schwarz <i>iron oxide black</i> Fe_3O_4	25	
	Results in somewhat darker colours than Eisenoxid 25/red		
13261	Eisenoxid grob <i>iron oxide coarse</i> 99 % Fe_2O_3	25	
	Causes nice effects in glazes, addition: 1-5%		
13305	Feldspat K 2/75 <i>potash feldspar</i> (Orthoklas) $\text{K}_2\text{O} - \text{Al}_2\text{O}_3 - 6\text{SiO}_2$	50	
	Flux for stoneware-glaze, stoneware-masses and porcelain		
13530	Feldspat Na LF 90 <i>soda feldspar</i> (Albit) $\text{Na}_2\text{O} - \text{Al}_2\text{O}_3 - 6\text{SiO}_2$	50	
	Somewhat lower melting temperatures than Kali-Feldspar		
13331	Feldspat Ca 429 <i>calcium feldspar</i> (Anorthit) $\text{CaO} - \text{Al}_2\text{O}_3 - 2\text{SiO}_2$	50	
	For solid matt glazes for stoneware and porcelain		
13471	Illmenit AU <i>illmenite</i> $\text{FeO} - \text{TiO}_3$	25	
	Causes nice effects in glazes, addition amount: 1-15%		
13350	Kalkspat 905/ <i>calcite</i> CaCO_3	25	
	Good flux for glazes and masses, improves the fitting of the glazes in stoneware, minimizes small fissures		



For prices, scan the
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Masses- and glaze rawmaterials | 9

Order-no.			original- container kg:	Volume discounts for purchases of 500 kg, original-container, 10 kg, 1 kg
13360	Kaolin 233/ <i>kaolin</i> Extremely white-burning, for glazes and masses, increases scratch hardness, chemical durability of glazes, high viscosity	$\text{Al}_2\text{O}_3 - 2\text{SiO}_2 - 2\text{H}_2\text{O}$	25	
13370	Knochenasche 187/ <i>bone ash</i> Flux in glazes (opacifier) and masses (bone-china)	$3\text{Ca}_3(\text{PO}_4)_2 - \text{CaO}$	25	
13380	Kobaltcarbonat 239/ <i>cobalt carbonate</i> Results in light- to dark-blue colours in glazes and engobes	CoCO_3	15	→ Can only be sold to commercial users. We need your proof.
13430	Kobaltoxid OMG-Standard/ <i>cobalt oxide</i> See above, colours more intensively, addition: roughly 0,2-4%	Co_3O_4	25	
13440	Kreide 190/ <i>chalk; whiting</i> Flux in glazes and masses	CaCO_3	25	
13410	Kupfercarbonat 213/ <i>copper carbonate</i> Results in green colours, colours turquoise in alkali-glazes, in reductions reddish colours are possible	$\text{Cu}(\text{OH})_2 - \text{CuCO}_3$	25	
13292	Kupferoxid 216/ <i>copper oxide</i> See above, in case of supersaturation (5% onwards) metallic discharges	CuO	25	
13480	Lavamehl 134/ <i>lava powder</i> For brown glazes with nice surface-effects in stoneware	vulcanic rock	20	
13463	Lithiumcarbonat 104/ <i>lithium carbonate</i> Good flux, increases the shine in the glazes	Li_2CO_3	50	
13505	Magnesiumcarbonat <i>magnesium carbonate</i> Has a high surface-tension, suitable for snake skin glazes, decreases hairline-fissures	MgCO_3	25	
13490	Magnesit 349/ , <i>magnesite</i> caustic burnt see "Magnesiumcarbonat" – but inferior effect, medium for producing a matt surface of glazes	90% MgO	25	
13511	Mangancarbonat 185/ <i>manganese carbonate</i> Causes colours from beige to brown, brown violet in alkaliglazes	MnCO_3	25	
13130	Manganor <i>manganor</i> See above Braunstein, however, Manganor is free of identification!	$\text{MnO}_2 - \text{SiO}_2$	25	
13520	Manganspinell <i>manganese spinel</i> Is used for brown and black colouring in masses and glazes	Mn_3O_4	25	
13551	Nephelin-Syenit 345/ <i>nepheline syenite</i> High percentage of Kali- and Natronfeldspar, low melting-point, area of use: 1050-1200°C	$1\text{K}_2\text{O} - 3\text{Na}_2\text{O} - 4\text{Al}_2\text{O}_3 - 8\text{SiO}_2$	25	
13561	Nickelcarbonat 270/ <i>nickel carbonate</i> More even colouring than Nickeloxid, generally for green colours, in tin-barium-glazes: blue to red	NiCO_3	15	→ Can only be sold to commercial users. We need your proof.
13620	Quarzmehl W 10 <i>quartz powder</i> Can be used in glazes as well as masses as SiO_2 -carrier, increases the melting point, as SiO_2 -carrier most important glaze-builder	SiO_2	25	
13630	Quarzsand F 32 <i>quartz sand; silica sand</i> Can be used as filling-material or as protection for kiln plates, particle size roughly 0,1-0,3mm	SiO_2	25	
13635	Mikro.Quarz SF 500 <i>quartz powder</i> serves to lower the CTE (coefficient of thermal expansion) and thus reduces the risk of glaze cracks	SiO_2	25	



Order-no.		original- container kg:	Volume discounts for purchases of 500 kg, original-container, 10 kg, 1 kg
13641	Rutil 200/ <i>rutile</i> Titandioxid which exists in nature polluted with iron oxide, results in beige-brown colours, stimulates matting and cristallization	TiO ₂ (natural)	25
13710	Sintermehl 64/ <i>glass powder</i> A glas-flower which causes an early sintering of masses due to its low melting-point (roughly 750°C)		25
13690	Soda calz. 47/ <i>calcined soda</i> The main supplier of Natriumoxid in glazes, water-soluable, Soda can also be used as deflocculant in casting slips	Na ₂ - CO ₃	25
13680	Strontiumcarbonat Typ A <i>strontium carbonate</i> Above 1100°C deflocculant, increases shine and hardness of the glazes, decreases pinholes of glazes	SrCO ₃	25
13720	Talkum 22/HK <i>talc</i> Acts against small fissures as addition to earthenware masses, in stoneware it causes a better thermal shock resistance, better than Magnesit because it excludes bubbles and pin- holes, can be used to create opaque and matt glazes	3MgO - 4SiO ₂ - H ₂ O	25
13734	Titandioxid 90/ <i>titanium dioxide</i> For matt and cristal-glazes, improves the acid-resistance and decreases fissures, heavy changing of colour on a foundation containing iron, added in little amount it decreases the solubility of lead, manufactured synthetically	TiO ₂ (synthetic)	25
13160	Tonerde calz. 275/ <i>calcined alumina</i> Means for matting of glazes, high melting point, increases the scratch hardness and chemical resistance of glazes	99,5% Al ₂ O ₃	25
13740	Tonerdehydrat 276/ <i>alumina hydroxide</i> See above	Al ₂ O ₃ - 3H ₂ O	25
13612	Ulexit U75 Alternative for Gerstley Borat, same chemical components, good flux, mainly used for Raku and low firing	Na ₂ O - 2CaO - 5B ₂ O ₃ - 16H ₂ O	25
13781	Wollastonit MM 81 <i>wollastonite</i> Natural calciumsilicat, hinders pinholes, good flowing out of the glazes, means for matting of alkali-glazes	CaO - SiO ₂	25
13820	Zinkoxid 90/RS <i>zinc oxide</i> Flux for middle and high temperatures, added in high amount it increases the cristallization, an addition of 20% acts as matting means	ZnO leadfree	25
13830	Zinnoxid TL <i>tin oxide</i> Best opacifier for white glazes; raw material for Majolika- glazes, hinders hairline-fissures	SnO ₂	25
13840	Zirkonsilikat 335/ <i>zirconium silicate</i> Opacifier, can be used as substitute for tinoxide, decreases hairline-fissures	ZrO ₂ - SiO ₂	25
13525	Massefarbkörper anthrazit <i>anthracite stain for clay masses</i> With this pigment masses can be coloured Addition: 2 - 10%		25
13528	Massefarbkörper rosa <i>pink stain for clay masses</i> With this pigment masses can be coloured Addition: 2 - 10%		25



For prices, scan the
QR code and enter
the order no.

Order-no.	Sege-formula	DEP (1) °C	WAK (2) 20-400 °C
12010 Alkalizinkfritte V 15098 Boric-tarnished shiny frit with high surface tension, with respective additions for transparent, white and effect-glazes	0,15 K ₂ O 0,40 CaO 0,30 ZnO 0,10 Li ₂ O 0,05 Na ₂ O	0,20 Al ₂ O ₃ 0,20 B ₂ O ₃	2,50 SiO ₂
12020 Alkaliborsilikatfritte M 6640 Frit with high coefficient of thermal expansion, suitable for the development of matt, silk-matt and craquelée-glazes as well as for the increase of the coefficient of thermal expansion in glazes	0,20 Na ₂ O 0,50 K ₂ O 0,30 ZnO	0,20 Al ₂ O ₃ 0,30 B ₂ O ₃	2,00 SiO ₂
12030 Alkalifritte M 1233 Similar to frit M 6640, but for shiny glazes, craquelée glazes and blue colours	0,40 Na ₂ O 0,30 K ₂ O 0,30 CaO	0,03 Al ₂ O ₃	2,40 SiO ₂
12100 Zirkonfritte M 130 600 Lead-free zircon-frit, suitable for all white glazes and for the fast-burning in the earthenware tile area	0,30 Na ₂ O 0,10 K ₂ O 0,50 CaO 0,10 MgO	0,30 Al ₂ O ₃ 0,60 B ₂ O ₃	4,00 SiO ₂ 0,30 ZrO ₂
12122 Rakufritte M 336 862 Especially for raku-glazes and special rit for celadon-glazes; it is suitable for the development of aventurine-glazes because of its high content of sodium and when adding ironoxide	1,00 Na ₂ O	0,08 Al ₂ O ₃ 1,67 B ₂ O ₃	2,67 SiO ₂
12160 Zinkmattfritte FM 77 355 Zinc-matt-frit containing a high amount of ZnO for the development of matt and effect-glazes of 1050-1260°C	0,10 K ₂ O 0,90 ZnO	0,10 Al ₂ O ₃	0,8 SiO ₂
12151 Zink-Barium-Fritte 3128 Zinc-Barium-frit containing a high amount of zinc for the development of effect- and crystalline glazes	0,19 CaO 0,54 ZnO 0,08 BaO 0,20 Na ₂ O	0,04 Al ₂ O ₃ 0,11 B ₂ O ₃	1,0 SiO ₂

- (1) dilatometrical softening point, the melting point is 40°C higher
(2) coefficient of thermal expansion

The **minimum purchase** amount for frits is **1 kg/sort**
Other frits upon request
(minimum purchase amount: 50 kg)

Mass-discount

- Purchase of at least **10 kg** in a container: **15% less**
- Purchase of at least **25 kg** in a container: **25% less**

12 | About glazes, engobes, vitreous slips

The illustrations on the following pages are **no absolutely exact images** of the glazes. Colour and effect of the glazes are dependend on many different factors such as colour of the shard, burning-temperature and duration of burning, the thickness and the means of the

application. All samples were applied to white clay. Some colours tend to show orange-peel / pinholes on black clay. We recommend to try out every use.

Mixing the different glazes enlarges the colour-range unlimitedly.

Application

If no milling jar is at hand the glaze is stirred with water. The relation glaze / water is dependend on the technique of the glazing and differs from glaze to glaze. The glazure-slurry should have a consistency like cream. After stirring we advise to sieve the glaze in a fine sieve (approx. 72 mesh).

541 b	Arktis	4144	Ozelot
631	Kiwi	4134 a	Kosmos
771	Larimar	4104	Stracciatella
983	Confetti	4114	Erdbeer
994	Sahara	4174	Flamenco
0426	Flieder	4204 a	Gecko
S1081	Moosgrün	4244	Tropic
1084 a	Sandstein		
1091 a	Vogelei	1275 a	Blaugrün gespr.
1093 a	Türkis	1276 a	Türkis gespr.
4017	Galaxis	1258	Rosenquarz
4055	Kürbis		

More
information
about our glazes
on our
homepage!

These glazes should not be sieved or milled since the effects then get lost.

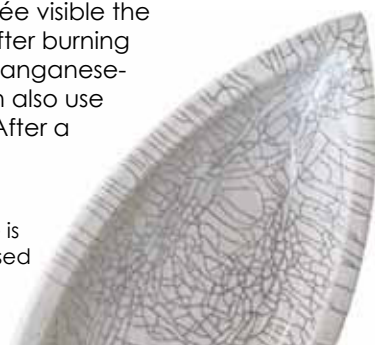
Transparent glazes should be applied very thinly. If a bisque-fired shard sucks in too much it can be wetted beforehand.

Effect glazes appear especially nice if applied in different degrees of thickness, glazing can be done by spraying, dipping, pouring over or brushing.

Information on craquelée-glazes

In order to make the craquelée visible the glazes should be brushed after burning with a slurry of water with manganese-oxide or iron-oxide. You can also use our fluid (see on page 12). After a short time of drying the fluid is washed off*.

* depending on which of these is being applied it cannot be used anymore for tableware



Labelling

Our ceramic colours are **technically lead-free**. In case of firing a lead-containing glaze or a lead-containing raw material at the same time lead fumes could be transmitted onto the lead-free colour.

If the production conditions are favourable are glazes (engobes, vitreous slips etc.) are **suitable for the use of crockery and drinking vessels** according to DIN/EN 1388-1 and 1388-2 (previously DIN 51031).

Exception:  These glazes are **not acid-resistant!** We advise not to use these glazes for eating and drinking vessels.

Food containing acidic substances can attack fired glazes. Possible health risks due to leaking substances are not checked by us. **According to valid legislation the distributor needs to have the finished product checked by an accredited laboratory.**

Letters after the glaze number

Glazes (or engobes, vitreous slips etc.) which are labelled "a" or "b" after the glaze number were changed or replaced in the formula.

Precautions

- avoid dust (only sieve wet)
- do not eat, drink or smoke while glazing
- wash your hands thoroughly after glazing
- do not swallow glazes or bring them into contact with food

Discount prices

Powder

Glazes,
Engobes, Vitreous slips

Minimum purchase: **1 kg**

Mass-discount:

10 kg Package 15% Discount	25 kg Package 25% Discount
--	--

Samples approx. 70 g powder can be delivered for a protection fee



Liquid

Glazes,
Engobes, Vitreous slips

Minimum purchase: **1 tin (500ml)**

Mass-discount:

Buckets are not generally held on store! Delivery only by carrier. Cannot be delivered via parcel service. We kindly request a respective order in advance. Freight forwarding 



≥ 12 tins

25% Discount

≥ 20 tins

30% Discount

Liquid, ready to use!
Approx. 1 year
durability.



Liquid-colours are sensitive to frost.
See note on page 1.



For prices, scan the
QR code and enter
the order-no.



Raku is an old Japanese burning-technique (approx. 15th century) in which the ceramic is taken out of the kiln while it is still gleeding and then chilled. American ceramic artists added a later after-reduction to the Raku-technique in the 60s.

The burning (850-1050°C) can last up to one hour. As soon as the glaze is melted out and shiny the pieces are taken out of the kiln with long pliers and substituted with new ones.

Quick chilling and sprinkling with water causes zones with small Craquelées, reduction (smoking) causes

changes in colour and lustre-effects. Sawdust, wood fibres, gras, leaves or straw act as reduction-means in different ways. The smoking is usually finished by chilling the piece in cold water in order to fix the result.

With the help of **Raku-frit M 233 864** and frit **M 1233** your own Raku-glazes can be manufactured (see page 11 of the catalogue).

Our clays no. **4/GS** and **9/GS**, **4/M** and **9/M** are suitable for Raku. Sometimes also **8/F** is used (see pages 4 and 5 of the catalogue).

Glazes 850 - 1050°C (Powder)



Order-no.04590
1095 Weiß, craquelée



Order-no.11610
RS 1161 Türkis



Order-no.11620
RS 1162 Indischblau



Order-no.11630
RS 1163 Persischblau



Order-no.04892
RS 336 951 Transparent



Order-no.11650
RS 1165 Gelb



Order-no.11660
RS 1166 Thormalin



Order-no. 11670
RS 1167 Kiebitz



Order-no.11680
RS 1168 Rot



Order-no.11690
RS 1169 Orange



Order-no.11700
RS 1170 Hellgrün

More raku-equipment
i. e. kilns on page 76.



We advise **not to use** these glazes **for eating and drinking vessels**.



Fluid for Craquelée Glazes

To make the craquelée net visible we recommend our fluid.
More information on page 34



The **transparent glitter-effect-glaze** obtains a special depth / intensity if applied on a dark glaze, see picture above on the right side on the glaze A 1007 schwarz glossy.



04708 Gelb Craquelée glossy
Tin of 500 ml
Order-no.06708

04706 Grau Craquelée glossy
Tin of 500 ml
Order-no.06706

04707 Türkis Craquelée glossy
Tin of 500 ml
Order-no.06707

04711 Rot Craquelée glossy
Tin of 500 ml
Order-no.06711

04709 Glitzer-Effekt Rot glossy
Tin of 500 ml
Order-no.06709

04710 Glitzer-Effekt Transparent glossy
Tin of 500 ml
Order-no.06710



For prices, scan the
QR code and enter
the order-no.

Liquid glazes 1020 - 1080°C | 15

04705



04704



04702



S 04703



Wood effect

Is applied onto an unfired glaze.
The thicker the brush application, the greater the effect.
In our examples it was applied onto glazes
1007 (Schwarz glossy)
0496 (Weiß glossy) and
4164 (Espresso)

04712



04705 Türkis gesprenkelt glossy
Tin of 500 ml
Order-no.06705

04704 Grau gesprenkelt glossy
Tin of 500 ml
Order-no.06704

04702 Grün gesprenkelt glossy
Tin of 500 ml
Order-no.06702



S 04703 Rosé-Gold glossy
Tin of 500 ml
Order-no.06703

04712 Holz-Effekt satin-matt
Tin of 500 ml
Order-no.06712



The **patterns** shown were fired on **white clay** at **1050°C**.



Liquid-glazes are sensitive to frost.
See note on page 1.



951 Weiß, zinngetrübt, glossy
Order-no. 04070 **Powder** (1 kg)
Order-no. 06070 **liquid** (500 ml)

8859 Weiß, glossy
Order-no. 04020 **Powder** (1 kg)
Order-no. 06020 **liquid** (500 ml)

1010N Weiß, satin-matt
Order-no. 04251 **Powder** (1 kg)
Order-no. 06251 **liquid** (500 ml)

0496 Weiß, glossy
Order-no. 04960 **Powder** (1 kg)
Order-no. 06960 **liquid** (500 ml)



4206 Weiß, matt
Order-no. 04206 **Powder** (1 kg)
Order-no. 06206 **liquid** (500 ml)

1095 Weiß, craquelée, glossy
Order-no. 04590 **Powder** (1 kg)
Order-no. 06590 **liquid** (500 ml)

In order to make the craquelée visible the glazes should be brushed after burning with a slurry of water with manganese-oxide or iron-oxide. You can also use our fluid (see on page 34). After a short time of drying the fluid is washed off. Depending on which of these is being applied it cannot be used anymore for tableware.

541b Arktis, satin-matt

Order-no. 04543
Powder (1 kg)

Order-no. 06542
liquid (500 ml)



1084a Sandstein, satin-matt

Order-no. 04491
Powder (1 kg)

Order-no. 06491
liquid (500 ml)

1091a Vogelei, satin-matt
Order-no. 04550 **Powder** (1 kg)
Order-no. 06550 **liquid** (500 ml)

 **S 6625a Gelbbraun, matt**
Order-no. 04430 **Powder** (1 kg)
Order-no. 06430 **liquid** (500 ml)

1085b Beige, glossy
Order-no. 04381 **Powder** (1 kg)
Order-no. 06381 **liquid** (500 ml)



994 Sahara, glossy
Order-no. 04760 **Powder** (1 kg)
Order-no. 06740 **liquid** (500 ml)

953 Sonnengelb, glossy
Order-no. 04140 **Powder** (1 kg)
Order-no. 06140 **liquid** (500 ml)

0485 Spektralgelb, glossy
Order-no. 04850 **Powder** (1 kg)
Order-no. 06850 **liquid** (500 ml)





For prices, scan the
QR code and enter
the order-no.

Glazes 1020 - 1080°C | 17

 **S 0448 Tinte**, glossy
Order-no. 04482 **Powder** (1 kg)
Order-no. 06482 **liquid** (500 ml)

771 Larimar, satin-matt
Order-no. 04771 **Powder** (1 kg)
Order-no. 06771 **liquid** (500 ml)



 **S 4194a Lagune** (craquelée), glossy
Order-no. 04195 **Powder** (1 kg)
liquid not available

1093a Türkis, satin-matt
Order-no. 04571 **Powder** (1 kg)
Order-no. 06571 **liquid** (500 ml)

8933a Blau, glossy
Order-no. 04011 **Powder** (1 kg)
Order-no. 06011 **liquid** (500 ml)

 **S 0479b Aquamarin**, glossy
Order-no. 04792 **Powder** (1 kg)
Order-no. 06792 **liquid** (500 ml)

1006a Kobaltblau, glossy
Order-no. 04151 **Powder** (1 kg)
Order-no. 06151 **liquid** (500 ml)



 **S 0472a Jeansblau**, glossy
Order-no. 04722 **Powder** (1 kg)
Order-no. 06722 **liquid** (500 ml)

0452a Royalblau, satin-matt
Order-no. 04521 **Powder** (1 kg)
Order-no. 06521 **liquid** (500 ml)

 **S 0482a Meergrün**, glossy
Order-no. 04821 **Powder** (1 kg)
Order-no. 06821 **liquid** (500 ml)

 **S 0478a Ozeangrün**, glossy
Order-no. 04781 **Powder** (1 kg)
Order-no. 06781 **liquid** (500 ml)

 **S 671 Malachit**, glossy
Order-no. 04671 **Powder** (1 kg)
Order-no. 06671 **liquid** (500 ml)





631 Kiwi, satin-matt
Order-no. 04631 **Powder** (1 kg)
Order-no. 06631 **liquid** (500 ml)

4204a Gecko, satin-matt
Order-no. 04205 **Powder** (1 kg)
Order-no. 06205 **liquid** (500 ml)

S 1081 Moosgrün, satin-matt
Order-no. 04460 **Powder** (1 kg)
Order-no. 06460 **liquid** (500 ml)

S 36969 Grün, glossy
Order-no. 04030 **Powder** (1 kg)
Order-no. 06030 **liquid** (500 ml)

S 0434 Reptil, glossy
Order-no. 04340 **Powder** (1 kg)
liquid not available

4154 Blattgrün, glossy
Order-no. 04154 **Powder** (1 kg)
Order-no. 06154 **liquid** (500 ml)



952 Honigbraun, glossy
Order-no. 04100 **Powder** (1 kg)
Order-no. 06100 **liquid** (500 ml)

34062 Braun, satin-matt
Order-no. 04160 **Powder** (1 kg)
Order-no. 06160 **liquid** (500 ml)

6655 Aventurin, satin-matt
Order-no. 04440 **Powder** (1 kg)
Order-no. 06440 **liquid** (500 ml)

4044 Sandelholz, glossy
Order-no. 04044 **Powder** (1 kg)
Order-no. 06044 **liquid** (500 ml)

S 0436 Silberbronce, glossy
Order-no. 04360 **Powder** (1 kg)
Order-no. 06360 **liquid** (500 ml)



S 0481 Ölfleck, matt
Order-no. 04810 **Powder** (1 kg)
Order-no. 06810 **liquid** (500 ml)

1008a Schwarz, satin-matt
Order-no. 04191 **Powder** (1 kg)
Order-no. 06191 **liquid** (500 ml)

1007 Schwarz, glossy
Order-no. 04080 **Powder** (1 kg)
Order-no. 06080 **liquid** (500 ml)



For prices, scan the
QR code and enter
the order-no.



Only suitable for objects
which are glazed on one side
only!

0488a Bernstein, glossy
Order-no. 04881 **Powder** (1 kg)
Order-no. 06881 **liquid** (500 ml)

4144 Ozełot, matt
Order-no. 04144 **Powder** (1 kg)
Order-no. 06144 **liquid** (500 ml)

4164 Espresso, glossy
Order-no. 04164 **Powder** (1 kg)
Order-no. 06164 **liquid** (500 ml)



 **S 4264a Perlmutter**, glossy
Order-no. 04265 **Powder** (1 kg)
Order-no. 06265 **liquid** (500 ml)

0429b Sumatra, satin-matt
Order-no. 04293 **Powder** (1 kg)
Order-no. 06293 **liquid** (500 ml)

4104 Stracciatella, matt
Order-no. 04104 **Powder** (Preis/kg)
Order-no. 06104 **liquid** (Preis/Dose)



4214 Grau, glossy
Order-no. 04214 **Powder** (1 kg)
Order-no. 06214 **liquid** (500 ml)

 **S 4014 Gold**, glossy
Order-no. 04014 **Powder** (1 kg)
Order-no. 06014 **liquid** (500 ml)

 **S 4124a Eisen**, satin-matt
Order-no. 04125 **Powder** (1 kg)
Order-no. 06125 **liquid** (500 ml)



4244 Tropic, glossy
Order-no. 04244 **Powder** (1 kg)
Order-no. 06244 **liquid** (500 ml)

4035 Jade, satin-matt
Order-no. 04035 **Powder** (1 kg)
Order-no. 06035 **liquid** (500 ml)

4057 Atoll, glossy
Order-no. 04057 **Powder** (1 kg)
Order-no. 06057 **liquid** (500 ml)

4234 Mais, glossy
Order-no. 04234 **Powder** (1 kg)
Order-no. 06234 **liquid** (500 ml)

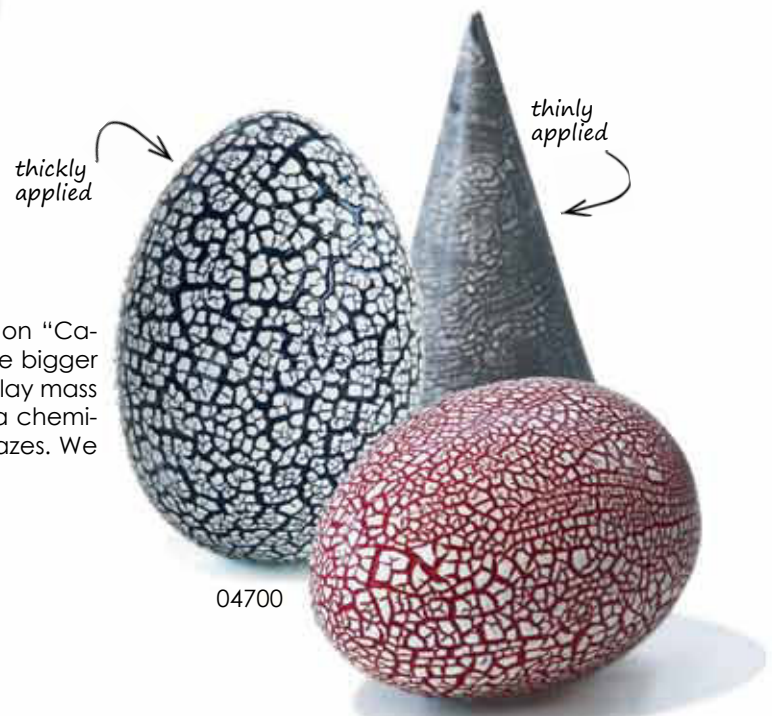
4055 Kürbis, satin-matt
Order-no. 04055 **Powder** (1 kg)
Order-no. 06055 **liquid** (500 ml)

4114 Erdbeer, glossy
Order-no. 04114 **Powder** (1 kg)
Order-no. 06114 **liquid** (500 ml)



4184a Heidelbeer, glossy
Order-no. 04185 **Powder** (1 kg)
Order-no. 06185 **liquid** (500 ml)

4094 Cassis, glossy
Order-no. 04094 **Powder** (1 kg)
Order-no. 06094 **liquid** (500 ml)



Snake skin - effect white

This glaze is be applied on an unfired glaze. In our example on "Calypso" and "Schwarz" glossy. The thicker the application is, the bigger the individual glaze dots appear. The application on a black clay mass (without glaze underneath) is also very striking. Since there is a chemical reaction of the two glazes, it does not work with all the glazes. We recommend to try out every use.

04700 Schlangenhaut Effekt weiß glossy
Order-no. 04700 **Powder** (1 kg)
Order-no. 06700 **liquid** (500 ml)



For prices, scan the
QR code and enter
the order-no.

Glazes 1020 - 1080°C | 21

8044 Türkis, glossy
Order-no. 04050 **Powder** (1 kg)
Order-no. 06050 **liquid** (500 ml)

0431 Apfelgrün, glossy
Order-no. 04310 **Powder** (1 kg)
Order-no. 06310 **liquid** (500 ml)

0430 Orange, glossy
Order-no. 04300 **Powder** (1 kg)
Order-no. 06300 **liquid** (500 ml)



 **S 10461 Apfelsine**, glossy
Order-no. 04461 **Powder** (1 kg)
Order-no. 06461 **liquid** (500 ml)

 **S 0487 Mohnblume**, glossy
Order-no. 04870 **Powder** (1 kg)
Order-no. 06870 **liquid** (500 ml)

4174 Flamenco, glossy
Order-no. 04174 **Powder** (1 kg)
Order-no. 06174 **liquid** (500 ml)

0456 Calypsorot, glossy
Order-no. 04560 **Powder** (1 kg)
Order-no. 06560 **liquid** (500 ml)

741 Lava, glossy
Order-no. 04741 **Powder** (1 kg)
Order-no. 06741 **liquid** (500 ml)

950 Rubinrot, glossy
Order-no. 04060 **Powder** (1 kg)
Order-no. 06060 **liquid** (500 ml)



0426 Flieder gespr., satin-matt
Order-no. 04260 **Powder** (1 kg)
Order-no. 06260 **liquid** (500 ml)

4224 Rosa, glossy
Order-no. 04224 **Powder** (1 kg)
Order-no. 06224 **liquid** (500 ml)

983 Confetti, glossy
Order-no. 04650 **Powder** (1 kg)
Order-no. 06630 **liquid** (500 ml)

22 | **Glazes** 1020 - 1080°C



Pluto



4315 Pluto, glossy
Order-no. 04315 **Powder** (1 kg)
Order-no. 06315 **liquid** (500 ml)

Neptun



4285 Neptun, glossy
Order-no. 04285 **Powder** (1 kg)
Order-no. 06285 **liquid** (500 ml)

Saturn



4305 Saturn, glossy
Order-no. 04305 **Powder** (1 kg)
Order-no. 06305 **liquid** (500 ml)

Jupiter



4325 Jupiter, glossy
Order-no. 04325 **Powder** (1 kg)
Order-no. 06325 **liquid** (500 ml)

The **patterns** shown were fired on **white clay** at **1050°C**.



For prices, scan the
QR code and enter
the order-no.



4017

4017 Galaxis, glossy

Order-no. 04017 **Powder** (1 kg)
Order-no. 06017 **liquid** (500 ml)



4134a

4134a Kosmos, glossy

Order-no. 04135 **Powder** (1 kg)
Order-no. 06135 **liquid** (500 ml)



4225

4225 Seladongrün, glossy

Order-no. 04225 **Powder** (1 kg)
Order-no. 06225 **liquid** (500 ml)



4275

4275 Lichtblau, glossy

Order-no. 04275 **Powder** (1 kg)
Order-no. 06275 **liquid** (500 ml)



4335

4335 Eisvogel, glossy

Order-no. 04335 **Powder** (1 kg)
Order-no. 06335 **liquid** (500 ml)

Transparent and colourless glazes

60311 Transparent, glossy

Order-no. 04040 **Powder** (1 kg)
Order-no. 06040 **liquid** (500 ml)

Our recommendation for overglazing engobes to achieve the best colour luminosity, as well as for overglazing white, red and dark bodies to allow the pure, unadulterated body colour to shine through without veiling.

1001a Transparent, glossy

Order-no. 04110 **Powder** (1 kg)
Order-no. 06110 **liquid** (500 ml)

Our recommendation for colouring with colourants (see page 32) or oxides to achieve the best colour luminosity. It is also suitable for overglazing white, red and dark bodies, but tends to cause slight to severe veiling on dark bodies, depending on the thickness of application.

0497 Transparent, glossy

Order-no. 04970 **Powder** (1 kg)
Order-no. 06970 **liquid** (500 ml)

The most affordable transparent glaze, which forms only a very slight veil on white, red and dark bodies, depending on the thickness of application. It is also particularly suitable for colouring with colourants, especially in red tones.

4421 Farblos, satin-matt

Order-no. 04421 **Powder** (1 kg)
Order-no. 06421 **liquid** (500 ml)

38875 Farblos, satin-matt

Order-no. 04180 **Powder** (1 kg)
liquid not available

955 Farblos, matt

Order-no. 04240 **Powder** (1 kg)
liquid not available

4120 Farblos, matt

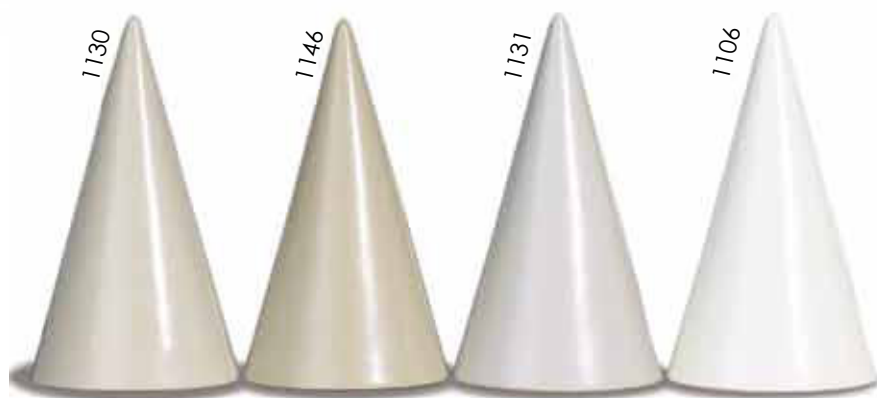
Order-no. 04120 **Powder** (1 kg)
liquid not available

Satin-matt or **matt glazes** always tend to form a **haze** depending on the thickness of the application and can therefore appear milky.



→ Our recommendation:

Apply transparent and colourless glazes only once (thinly) to reduce or mitigate the formation of haze.



1130 Transparent, glossy
Order-no. 05300 **Powder** (1 kg)
Order-no. 07300 **liquid** (500 ml)

1146 Farblös, satin-matt
Order-no. 05460 **Powder** (1 kg)
Order-no. 07460 **liquid** (500 ml)

1131 Weiß, glossy
Order-no. 05310 **Powder** (1 kg)
Order-no. 07310 **liquid** (500 ml)

1106 Zirkonweiß, glossy
Order-no. 05060 **Powder** (1 kg)
Order-no. 07060 **liquid** (500 ml)

1127 Perlmutter, satin-matt
Order-no. 05270 **Powder** (1 kg)
Order-no. 07270 **liquid** (500 ml)

1123a Zitronengelb, satin-matt
Order-no. 05231 **Powder** (1 kg)
Order-no. 07231 **liquid** (500 ml)

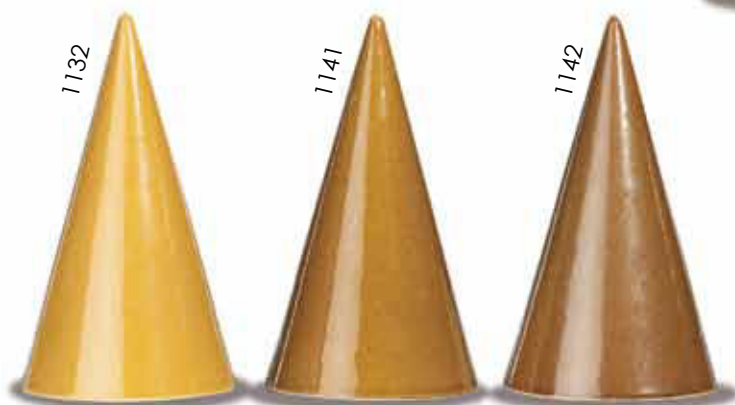
1110 Samba, glossy
Order-no. 05100 **Powder** (1 kg)
Order-no. 07100 **liquid** (500 ml)



1132 Dottergelb, satin-matt
Order-no. 05320 **Powder** (1 kg)
Order-no. 07320 **liquid** (500 ml)

1141 Honigbraun, glossy
Order-no. 05410 **Powder** (1 kg)
Order-no. 07410 **liquid** (500 ml)

1142 Haselnuss, satin-matt
Order-no. 05420 **Powder** (1 kg)
Order-no. 07420 **liquid** (500 ml)



1145a Blaugrau, glossy
Order-no. 05450 **Powder** (1 kg)
Order-no. 07450 **liquid** (500 ml)

1108 Türkis, glossy
Order-no. 05080 **Powder** (1 kg)
Order-no. 07080 **liquid** (500 ml)

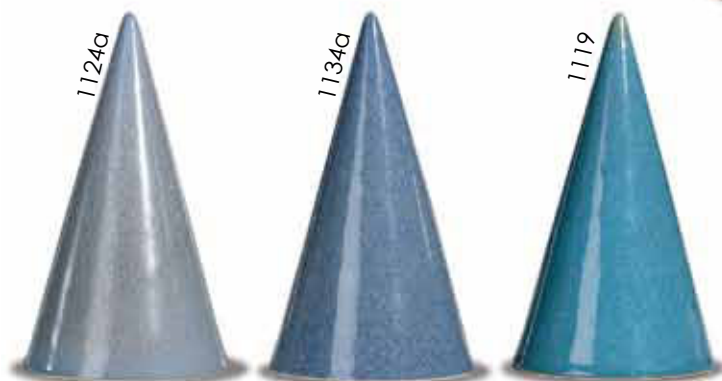
1135a Tiefblau, glossy
Order-no. 05351 **Powder** (1 kg)
Order-no. 07351 **liquid** (500 ml)



1124a Stahlblau, satin-matt
Order-no. 05241 **Powder** (1 kg)
Order-no. 07241 **liquid** (500 ml)

1134a Taubenblau, satin-matt
Order-no. 05341 **Powder** (1 kg)
Order-no. 07341 **liquid** (500 ml)

1119 Eisblau, glossy
Order-no. 05190 **Powder** (1 kg)
Order-no. 07190 **liquid** (500 ml)





For prices, scan the
QR code and enter
the order no.

Glazes 1130 - 1170°C | 25

1116 Kirschrot, glossy

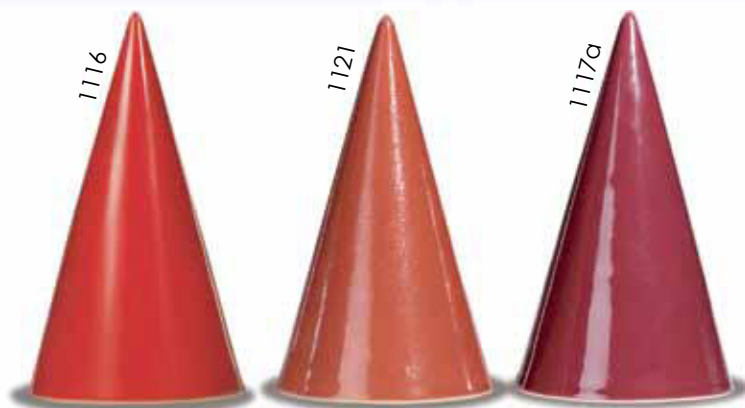
Order-no. 05160 **Powder** (1 kg)
Order-no. 07160 **liquid** (500 ml)

1121 Vulkanrot, satin-matt

Order-no. 05210 **Powder** (1 kg)
Order-no. 07210 **liquid** (500 ml)

1117a Weinrot, satin-matt

Order-no. 05171 **Powder** (1 kg)
Order-no. 07171 **liquid** (500 ml)



1125 Moos, satin-matt

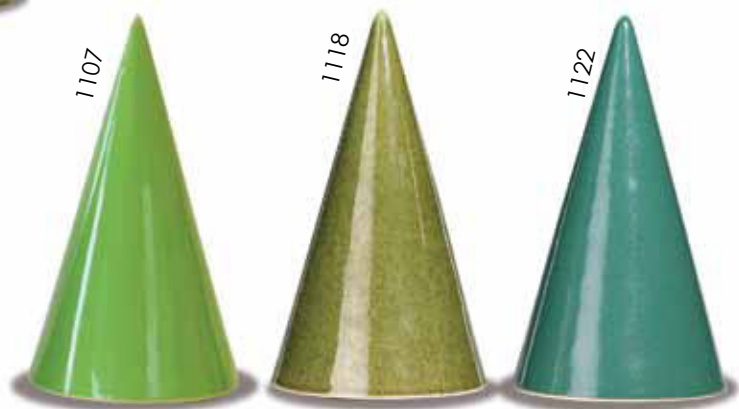
Order-no. 05250 **Powder** (1 kg)
Order-no. 07250 **liquid** (500 ml)

1137a Kupfergrün, satin-matt

Order-no. 05370 **Powder** (1 kg)
Order-no. 07370 **liquid** (500 ml)

1113a Zypresse, satin-matt

Order-no. 05131 **Powder** (1 kg)
Order-no. 07131 **liquid** (500 ml)



1107 Hellgrün, glossy

Order-no. 05070 **Powder** (1 kg)
Order-no. 07070 **liquid** (500 ml)

1118 Flaschengrün, glossy

Order-no. 05180 **Powder** (1 kg)
Order-no. 07180 **liquid** (500 ml)

1122 Tannengrün, satin-matt

Order-no. 05220 **Powder** (1 kg)
Order-no. 07220 **liquid** (500 ml)



1128 Nachtblau, glossy

Order-no. 05280 **Powder** (1 kg)
Order-no. 07280 **liquid** (500 ml)

1144 Metall-schwarz, satin-matt

Order-no. 05440 **Powder** (1 kg)
Order-no. 07440 **liquid** (500 ml)

1109 Schwarz, glossy

Order-no. 05090 **Powder** (1 kg)
Order-no. 07090 **liquid** (500 ml)



S 1105a Bronze antik, matt
Order-no. 05051 **Powder** (1 kg)
Order-no. 07051 **liquid** (500 ml)

Transparent glaze 1150 - 1200°C for colourizing (i. e. with oxids or stains)



60273 Transparent, glossy
Order-no. 05480 **Powder** (1 kg)
liquid not available



Not illustrated:

1290 Transparent, glossy
Order-no. 05900 **Powder** (1 kg)
Order-no. 07590 **liquid** (500 ml)

1250a Transparent, satin-matt
Order-no. 05501 **Powder** (1 kg)
Order-no. 07550 **liquid** (500 ml)

1264 Farblos, matt
Order-no. 05640 **Powder** (1 kg)
Order-no. 07564 **liquid** (500 ml)

1251a Weiß, glossy
Order-no. 05511 **Powder** (1 kg)
Order-no. 07551 **liquid** (500 ml)

1257 Weiß, matt
Order-no. 05570 **Powder** (1 kg)
Order-no. 07557 **liquid** (500 ml)

 **S 1283a Kristallweiß**, satin-matt
Order-no. 05830 **Powder** (1 kg)
Order-no. 07583 **liquid** (500 ml)

1256a Creme Metalleffekt, glossy
Order-no. 05561 **Powder** (1 kg)
Order-no. 07556 **liquid** (500 ml)

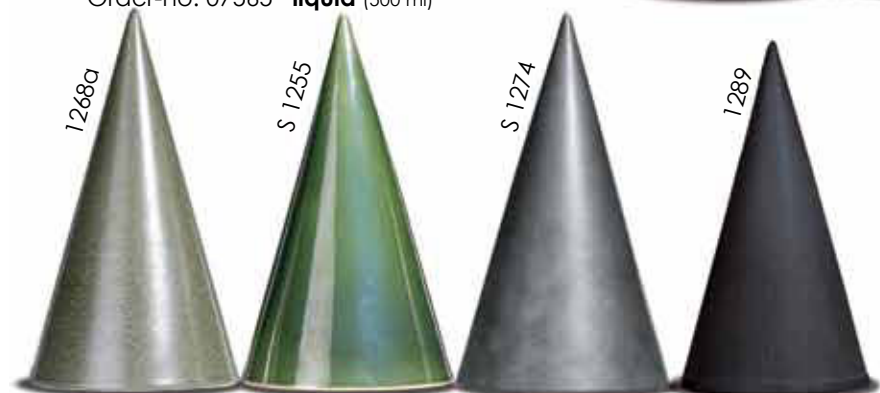


 **S 1293 Rustica**, satin-matt
Order-no. 05930 **Powder** (1 kg)
Order-no. 07593 **liquid** (500 ml)

1259a Rotbraun-grau-Effekt, glossy
Order-no. 05591 **Powder** (1 kg)
Order-no. 07559 **liquid** (500 ml)

1260a Bernstein, glossy
Order-no. 05601 **Powder** (1 kg)
Order-no. 07560 **liquid** (500 ml)

1265 Schwarz, glossy
Order-no. 05650 **Powder** (1 kg)
Order-no. 07565 **liquid** (500 ml)



1271a Weiß, craquelée, glossy
Order-no. 05710 **Powder** (1 kg)
Order-no. 07571 **liquid** (500 ml)

Please see information advice on page 12!

1258 Rosenquarz, glossy
Order-no. 05580 **Powder** (1 kg)
Order-no. 07558 **liquid** (500 ml)



1266 Beigebraun, matt
Order-no. 05660 **Powder** (1 kg)
Order-no. 07566 **liquid** (500 ml)

1263 Hellbraun, satin-matt
Order-no. 05630 **Powder** (1 kg)
Order-no. 07563 **liquid** (500 ml)

1262 Havanna, glossy
Order-no. 05620 **Powder** (1 kg)
Order-no. 07562 **liquid** (500 ml)

1201 Pfefferminz, glossy
Order-no. 05001 **Powder** (1 kg)
Order-no. 07501 **liquid** (500 ml)



1268a Steingrau, satin-matt
Order-no. 05681 **Powder** (1 kg)
Order-no. 07568 **liquid** (500 ml)

 **S 1255 Grün**, glossy
Order-no. 05550 **Powder** (1 kg)
Order-no. 07555 **liquid** (500 ml)

 **S 1274 Anthrazit**, matt
Order-no. 05740 **Powder** (1 kg)
Order-no. 07574 **liquid** (500 ml)

1289 Schwarz, matt
Order-no. 05890 **Powder** (1 kg)
Order-no. 07589 **liquid** (500 ml)



For prices, scan the
QR code and enter
the order-no.

Glazes 1200 - 1260°C | 27

1273 Orange, glossy
Order-no. 05730 **Powder** (1 kg)
Order-no. 07573 **liquid** (500 ml)

1287 Signalgelb, glossy
Order-no. 05870 **Powder** (1 kg)
Order-no. 07587 **liquid** (500 ml)

 **S 1254 Karibik**, matt
Order-no. 05540 **Powder** (1 kg)
Order-no. 07554 **liquid** (500 ml)

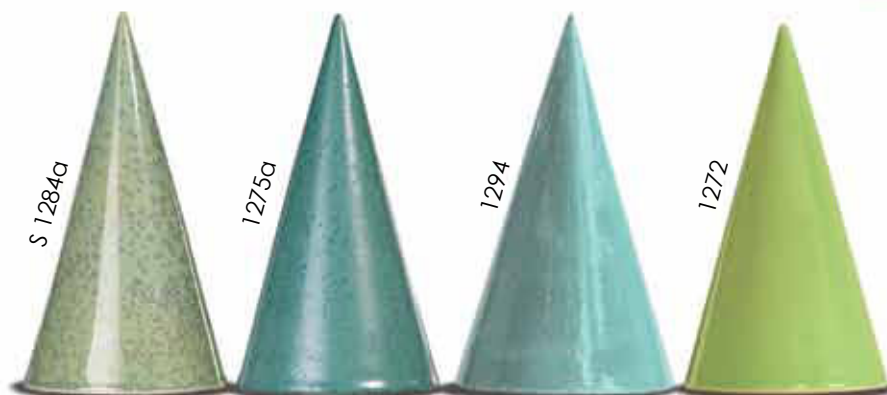


 **S 1284a Kristallgrün**, glossy
Order-no. 05840 **Powder** (1 kg)
Order-no. 07584 **liquid** (500 ml)

1275a Blaigrün gesprenkelt, satin-matt
Order-no. 05751 **Powder** (1 kg)
Order-no. 07575 **liquid** (500 ml)

1294 Bergsee, glossy
Order-no. 05940 **Powder** (1 kg)
Order-no. 07594 **liquid** (500 ml)

1272 Hellgrün, glossy
Order-no. 05720 **Powder** (1 kg)
Order-no. 07572 **liquid** (500 ml)



1276a Türkis gesprenkelt, glossy
Order-no. 05761 **Powder** (1 kg)
Order-no. 07576 **liquid** (500 ml)

1253a Hellblau, glossy
Order-no. 05531 **Powder** (1 kg)
Order-no. 07553 **liquid** (500 ml)

1296 Tiefsee, glossy
Order-no. 05960 **Powder** (1 kg)
Order-no. 07596 **liquid** (500 ml)



1252a Blau, glossy
Order-no. 05521 **Powder** (1 kg)
Order-no. 07552 **liquid** (500 ml)

1280b Azurblau, satin-matt
Order-no. 05801 **Powder** (1 kg)
Order-no. 07680 **liquid** (500 ml)

1267a Blaugrau, satin-matt
Order-no. 05671 **Powder** (1 kg)
Order-no. 07567 **liquid** (500 ml)

 **S 1279 Denim**, matt
Order-no. 05790 **Powder** (1 kg)
Order-no. 07579 **liquid** (500 ml)



1292 Magma, glossy
Order-no. 05920 **Powder** (1 kg)
Order-no. 07592 **liquid** (500 ml)

1291 Spanischrot, glossy
Order-no. 05910 **Powder** (1 kg)
Order-no. 07591 **liquid** (500 ml)

1288 Chilirot, glossy
Order-no. 05880 **Powder** (1 kg)
Order-no. 07588 **liquid** (500 ml)

1281a Bordeauxrot, glossy
Order-no. 05811 **Powder** (1 kg)
Order-no. 07681 **liquid** (500 ml)





Engobes 1000 - 1150°C (Powder)

Our engobes are manufactured of many different raw materials and should be applied on to **leather-hard shards**. They can be applied with brushes, can be dipped, can be sprayed or applied with an engobe-slip-trailer. After bisque-firing usually a coating with a transparent glaze follows. We recommend

glaze 60311 in order to achieve the most intensive shining of the colour.

The colour-samples show the engobe on the upper half without and on the lower half with a transparent glaze.



E 1 Ziegelrot

Order-no.
11010



E 2 Weiß

Order-no.
11020



E 3 Grau

Order-no.
11030



E 4b Schwarz

Order-no.
11041



E 5 Grün

Order-no.
11050



E 7b Blau

Order-no.
11072



E 8 Gelb

Order-no.
11080



E 9 Orange

Order-no.
11017



E 10 Rot

Order-no.
11014



E 11 Türkis

Order-no.
11054



Order-no. 11301

Set engobe-paint-bottles 1000 - 1150°C

Ideal for kindergardens, schools, therapeutic institutions, hobby or simply to try them out. The set consists of 6 bottles filled with approx. 20 g of our above mentioned engobes E 2, E 4b, E 5, E 7a, E 8 und E 10. Add approx. 20 ml of water and shake well. The application is done with the help of 4 canulas with different diameters (1,2 | 1,5 | 1,6 | 1,8 mm) also contained in the set.

Weiß

Order-no. 11092



Potter's engobe 1100 - 1300°C

The potter's engobe is a typical engobe and should be applied on to leather-hard shards or if necessary on to dried shards. Colourings with stains and colour-oxides are possible. After drying bisque firing should be made. As transparent glazes we recommend our glaze 1290 (1200-1250°C) and our glaze 1250 for temperatures above 1250°C (see page 26).

Weiß

Order-no. 11090



Stoneware engobe 1200 - 1300°C

The stoneware engobe (porcelain engobe) is very meager and should be applied on to bisque-fired shards. Colourings with stains and colour-oxides lead to good results. After drying of the stoneware engobes a coating with a transparent glaze should follow. We recommend our glaze 1290 (1200-1250°C) and our glaze 1250 for temperatures above 1250°C (see page 26).



For prices, scan the
QR code and enter
the order-no.

Liquid potter's engobes 1100 - 1300°C | 29

We developed these liquid potter's engobes on the basis of our potter's engobe (page 24).

They are delivered in tins of 500 ml.

They should be applied on to leather-hard shards or if necessary on to dried shards. After drying bisque firing should be made. As transparent glazes we recommend our glaze 1290 (1200-1250°C) and our glaze 1250 for temperatures above 1250°C (see page 26).

The colour-samples show the potters' engobe on the upper half without and on the lower half with a transparent glaze. Burnt at 1250°C.



TE 30 Weiß



TE 31 Gelb



TE 32 Hellgrün



TE 33 Türkis



TE 34 Grau



TE 35 Orange



TE 36 Rot



TE 37 Dunkelgrün



TE 38 Blau



TE 39 Schwarz

Order-no. 07990 **TE 30 Weiß**
Order-no. 07991 **TE 31 Gelb**
Order-no. 07992 **TE 32 Hellgrün**
Order-no. 07993 **TE 33 Türkis**
Order-no. 07994 **TE 34 Grau**
Order-no. 07995 **TE 35 Orange**
Order-no. 07996 **TE 36 Rot**
Order-no. 07997 **TE 37 Dunkelgrün**
Order-no. 07998 **TE 38 Blau**
Order-no. 07999 **TE 39 Schwarz**



Vitreous slips develop their own shining. Usually they do not need to be coated. In order to achieve even stronger colours a coating with a transparent glaze is possible. Vitreous slips are applied on to biscuitted shards.

The range of colours can be optionally increased by colouring the white vitreous slip with oxides and stains.

Also available as liquid vitreous slip (tin of 500 ml).

burnt at
1050°C

burnt at
1150°C



SE 11 Weiß

Order-no. 11310
Powder (1 kg)

Order-no. 07810
liquid (500 ml)

SE 12 Gelb

Order-no. 11320
Powder (1 kg)

Order-no. 07820
liquid (500 ml)

SE 13 Orange

Order-no. 11330
Powder (1 kg)

Order-no. 07830
liquid (500 ml)

SE 14 Rot

Order-no. 11340
Powder (1 kg)

Order-no. 07840
liquid (500 ml)

SE 15 Blau

Order-no. 11350
Powder (1 kg)

Order-no. 07850
liquid (500 ml)



SE 16 Türkis

Order-no. 11360
Powder (1 kg)

Order-no. 07860
liquid (500 ml)

SE 17 Maigrün

Order-no. 11370
Powder (1 kg)

Order-no. 07870
liquid (500 ml)

SE 18 Grün

Order-no. 11380
Powder (1 kg)

Order-no. 07880
liquid (500 ml)

SE 19 Braun

Order-no. 11390
Powder (1 kg)

Order-no. 07890
liquid (500 ml)

SE 20 Schwarz

Order-no. 11400
Powder (1 kg)

Order-no. 07900
liquid (500 ml)



For prices, scan the
QR code and enter
the order-no.

Decorating colours 1000-1200°C | 31



Decorating colours for underglaze-, Majolika- and Fayence-techniques

Our range of decorating colours consists of 16 colours, including the colour "colourless transparent", with the help of which the colour-intensity of the single decorating-colours can be reduced. Using the Majolika- or Fayence-technique one paints on a mostly white, unburnt glaze. The glaze is usually glued with approx. 0,2% glaze-glue CMC 300G and thus more grip- and wipe-stable while painting. The decorating colours melt smoothly and sink into the glaze. A coating with a transparent glaze is not necessary but possible. In the case of underglaze-technique the decorating colour is applied on to the biscuit-fired shard and then coated with a transparent glaze. We recommend glaze **1001a** as **transparent glaze**. If possible the transparent glaze should be sprayed in order to avoid a slurring of the paint.

The decorating colours have to be prepared with water. They can be used after a quick stir, thus without grinding. Instead of water a 1-2% solution of the **glaze-glue CMC 300 G** can also be added to the colours which causes the colours to be less liquid and more slur-resistant for further use. A shape-sharp application via sieve-printing, brushing, spraying and stamping is simple and without problems. All decorating colours are based on the same foundation and can be mixed with each other in order to achieve a great amount of mixed colours.

Decorating colours (Powder)

Order-no.

Volume discounts for
purchases of
1000 g, 500 g, 100 g

Saucer

Order-no.

08010	D 1	Rosenholz
08020	D 2	Mokka
08030	D 3	Weinrot
08040	D 4	Flieder
08050	D 5	Neutralgrau
08060	D 6	Birkengrün
08070	D 7	Chromgrün
08080	D 8	Tannengrün
08090	D 9	Weiß
08100	D 10	Sonnengelb
08110	D 11	Messinggelb
08120	D 12	Türkisblau
08130	D 13 a	Kobaltblau
08140	D 14	Schwarz
08150	D 15	Farblos transparent
08160	D 16	Intensivrot

no longer available
08220
no longer available
no longer available
08250
no longer available
08270
no longer available
no longer available
no longer available
no longer available
no longer available
no longer available
no longer available
no longer available
no longer available
no longer available

Unfortunately, the saucer are only available while stocks last.

Order-no. 08200

Assortment

approx. 20 g of each of the decorating
colours D 1 - D 16



Onglaze colours
(porcelain colours)
do it yourself!

Order-no. 14660 **Paint medium** is a tempering means which mixes with water and is solvent-free. It is used to paint the already burnt glaze. With the help of the paint medium **onglaze colours** can be made out of the decorating colours which can then be applied in a **third firing**. Glazes can also be applied on already burnt objects.

Mixing relations: 100 weight-% colour powder
plus 60-70 weight-% paint medium
500 g container
100 g container



					
FK 110	FK 102	FK 111	FK 112	FK 115	FK 150
					
FK 146	FK 156	FK 9959	FK 520	FK 522	FK 523
					
FK 552a	FK 546	FK 4826	FK 4198	FK 560	FK 245
		 Can only be sold to commercial users. We need your proof.			
FK 210	FK 213	FK 206	FK 330	FK 325	FK 328
					
FK 321	FK 341	FK 696a	FK 5001a	FK 5002a	FK 5003
					
FK 6809	FK 9496a	FK 3022a	FK 6904	FK 641a	FK 602a
					
FK 604a	FK 648	FK 401	FK 4225	FK 6011a	FK 407

* These stains **should not be milled in a milling jar**, because cadmium or selen are enclosed in a zirkonsilicat-structure in these stains (inclusion pigment). A milling could destroy the structure and increase the cadmium-solubility.

Stains for clay mass
see page 10!



For prices, scan the
QR code and enter
the order no.

Stains are usually needed for the colouring of glazes and engobes. The list of colours on the other side shows the stains added to the glaze **1001a**. The amount of stain added to the glaze is named "optimal amount of addition" in the list and the glaze was burnt at 1050°C. Very good results can also be achieved with the **glaze 0497** – especially concerning red colours.

As addition to other glazes other colours can result. Tests are necessary.

The **minimum order-amount is 100g** per sort. If 10 kg per sort are ordered we charge the daily price.

Order-no.	stain	basis	max. firing- temperatur	optimal amount of addition (approx.)	
09030	FK 110	Tiefschwarz	Co-Fe-Cr	1300 °C	6 %
09010	FK 102	Schwarz	Co-Cr-Fe-Mn-Ni	1300 °C	6 %
09040	FK 111	Schwarz	Cr-Fe-Co-Mn	1300 °C	6 %
09050	FK 112	Schwarz	Fe-Cr-Mn-Co-Ni-Cu	1300 °C	6 %
09015	FK 115	Klavierlack-Schwarz	Ni-Fe-Cr	1300 °C	6 %
09110	FK 150	Neutralgrau	Al-Co-Ni-Zn	1350 °C	5 %
09060	FK 146	Blaugrau	Sn-Sb	1300 °C	6 %
09120	FK 156	Grau	Zr-Co-Ni	1300 °C	6 %
09830	FK 9959	Blattgrün	Cr-Co-Pr-Zr-Si-Zn	1300 °C	3-6 %
09520	FK 520	Laubgrün	Cr-Co-Si	1350 °C	3-6 %
09510	FK 522	Chromgrün	Cr	1350 °C	3-6 %
09530	FK 523	Blaugrün	Cr-Co-Al-Zn	1350 °C	3-6 %
09561	FK 552a	Tannengrün	Co-Mg-Zn-Cr	1300 °C	6 %
09570	FK 546	Petrolgrün	Co-Al-Cr	1350 °C	6 %
09580	FK 4826	Mintgrün	Zr-Si-Pr-V	1400 °C	3-6 %
09540	FK 4198	Viktoriagrün	Zr-Si-V-Pr-Co-Ni-Cr-Fe	1300 °C	6 %
09590	FK 560	Hellgrün	Zr-Si-Pr-V	1250 °C	6 %
09240	FK 245	Türkisblau	Zr-V-Si	1350 °C	4-6 %
09210	FK 210	Himmelblau	Co-Al-Zn	1400 °C	3-6 %
09220	FK 213	Indischblau	Co-Al-Zn	1400 °C	3-6 %
09230	FK 206	Kobaltblau	Co-Si	1400 °C	3 %
09370	FK 330	Dunkelbraun	Fe-Cr-Mn	1250 °C	3 %
09360	FK 325	Kölschbraun	Cr-Fe-Zn	1250 °C	3-6 %
09350	FK 328	Kastanienbraun	Cr-Fe-Zn	1250 °C	3-6 %
09320	FK 321	Rostbraun	Cr-Fe-Zn	1250 °C	3-6 %
09330	FK 341	Rehbraun	Fe-Cr-Al-Zn	1250 °C	4-6 %
09671	FK 696a	Zirkoneisenrot	Zr-Si-Fe	1250 °C	10 %
09691 *	FK 5001a	Orange	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09721 *	FK 5002a	Leuchtorange	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09723 *	FK 5003	Gelborange	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09820 *	FK 6809	Orangerot	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09681 *	FK 9496a	Rot	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09701 *	FK 3022a	Dunkelrot	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09800 *	FK 6904	Leuchtröt	Zr-Si-Cd-S-Se	1300 °C	8-10 %
09711	FK 641a	Himbeer	Ca-Sn-Si-Cr	** 1250 °C	10 %
09621	FK 602a	Pink	Cr-Sn-Ca-Si	** 1250 °C	10 %
09631	FK 604a	Pink	Cr-Sn-Ca-Si	** 1250 °C	10 %
09650	FK 648	Violett	Sn-Cr	** 1250 °C	10 %
09410	FK 401	Indiumgelb	Zr-V-In	1400 °C	3-6 %
09430	FK 4225	Dottergelb	Zr-V-In-Pr-Si	1300 °C	6 %
09441 *	FK 6011a	Kanariengelb	Zr-Si-Cd-S	1300 °C	8-10 %
09420	FK 407	Praseodymgelb	Zr-Si-Pr	1300 °C	3-6 %

Can only be sold to commercial users.
We need your proof.

* These stains **should not be milled in a milling jar**, because cadmium or selen are enclosed in a zirkon-silicat-structure in these stains (inclusion pigment). A milling could destroy the structure and increase the cadmium-solubility.

** Depending on the glaze these stains fade! We recommend to use our glaze 1290 at a firing temperature of 1200 ° C.



Oxide marker are used to mark objects before fire. Heat resistant **up to 1.400 °C**.

Order-no. 14500 Braun
Order-no. 14501 Weiß

KERPA is a colorable ceramic paste (**temperature resistant up to 1300°C**). It contains oil, is water soluble and miscible with all colorants. It is applied on the soft, leather-hard, dry or bisqued body. KERPA is non-caustic and is suitable for various types of application such as stamping (with various materials such as rubber, foam, linoleum or synthetic surfaces), putty work, pad printing or screen printing. The tool is cleaned with warm water.

KERPA is **label-free** (contains no lead or cadmium).

Order-no. 14114



Dose á 250 ml



For this purpose, we recommend the book „Ton, Drucktechniken & mehr...“ Order-no. 29045 (see page 92)

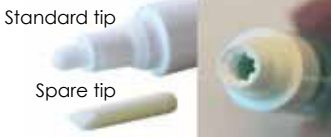


CerPaint@Pen filled with stains. Temperature resistant **up to 1.300°C**

CerPaint@ pens can be used to decorate the bisqued body. Optimal is the use as underglaze pen and a subsequent covering with a transparent glaze. Dipping or spraying the transparent glaze is preferable, as brush application may blur the painted lines. The appearance of the colors after firing depends on the glaze used and the firing temperature. Please test the pens in advance for your purposes!

Order-no. 08550 Orange
Order-no. 08551 Rot
Order-no. 08552 Grün

Order-no. 08554 **spare tip**
beveled

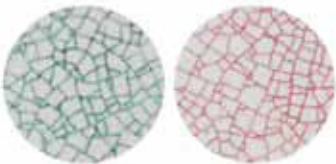


Underglaze pencils are used like crayons. Painting is done on the bisqued body, which is later overglazed with a transparent glaze (underglaze technique). Unglazed, the colors have no adhesion. They can be sharpened with a knife or also with a sharpener (a sharpener for thick pencils is best).

Order-no. Nr.	colour	temp. max.:
08450 601	Braun (marrone)	1250°C
08451 603	Dunkelgrün (verde)	1250°C
08452 604	Blau (blu)	1250°C
08453 606	Schwarz (nero)	1250°C
08457 612	Violett (viola lilla)	1150°C
08458 614	Orange (arancio orange)	1150°C
08459 602	Rot (rosso)	1150°C



Very yielding!



Order-no. 13850 **Schwarz**
Order-no. 13851 **Grün**
Order-no. 13852 **Rot**

Fluid for craquelée glazes

To make the craquelée web visible, we have developed this fluid. It is applied to the surface of the fired glaze. After a short exposure time, the excess fluid is washed off or rubbed off with a dry cloth.

Contents 100 ml each. The delivery includes a sponge.



For prices, scan the
QR code and enter
the order-no.

Order-no. container

10100 5 g **Glanzgold** FPM101 12%
10110 10 g **Glanzgold** FPM101 12%
10120 50 g **Glanzgold** FPM101 12%

10150 5 g **Glanzplatin** FPM302
10160 10 g **Glanzplatin** FPM302

10602 10 g **Verdünner** Thinner
10603 50 g **Verdünner** Thinner

larger container on request

Gold and Platinum



The pure metal preparations gold and platinum are used for the decoration of porcelain, stoneware, art ceramics and enamel. They are delivered **ready to use as liquids**. If necessary the thinner V39 can be added to the preparations. The objects which should be decorated need to be free off fat and dust. The preparations are thinly applied on to a burnt, white glaze with a squirrel-hair-brush.

While burning make sure that the vapours which develop up to approx. 430°C can freely evaporate.

The firing temperatures are:

porcelain	740-920°C
stoneware / earthenware	720-890°C

Sensitive colour for great works of art on plates and cups

Cool tableware. It's super easy. **Children aged 6** and above can colour porcelain and drinking glasses according to their own ideas with the KREUL Porcelain Marker medium. In no time at all – without shaking or pumping. But with sensitive properties. The formula is dermatologically tested and vegan as well as sustainably designed: The marker's plastic consists of 60% recycled material. This is truly quality "Made in Germany". Let's go: Paint cheeky designs, leave to dry and fix in the oven. Ready!

Porcelain marker medium

- Brilliant porcelain colouring pen
- Water-based, non-fade
- Dermatologically tested and vegan formula
- Without shaking or pumping
- With large and resistant fibre tip, line thickness app. 2-4 mm
- **How it works:** Keep the area of usage and for eating clear. As long as the colouring hasn't been baked it can be removed with water. After a drying time of 4 hours place in the cold oven and bake for 90 mins at 160°C. Leave to cool and harden in the oven. Afterwards the colour is dishwasher-suitable.
- The colour is produced fairly and safely in Germany.



Order-no. 08750
Assortment (5 pens)

Content:
Gelb
Kirschrot
Dunkelblau
Dunkelgrün
Schwarz

Glass & Porcelain pen metallic medium
with pump tip (processing like porcelain pen)

08971 **Gold**
08972 **Silber**



Order-no.

08660 **Schwarz**
08680 **Violett**
08690 **Dunkelblau**
08700 **Gelb**
08710 **Kirschrot**
08720 **Orange**
08730 **Dunkelgrün**
08740 **Braun**
08940 **Hellgrün**
08950 **Pink**
08960 **Türkis**
08970 **Hellblau**





Stellmittel *suspension stabilizer* prevents the unrequested disposition of the glaze, thus keeps the glaze floating. Amount to be added: 0,2% ($\triangleq$ 2g per kg glaze)

Order-no. 14119 can 12 kg *
Order-no. 14118 bottle 1 kg *

Revultex 359/ is used to cover surfaces which should not be decorated. A layer is formed which later on has to be removed to allow the covered surface to be coated with a different colour.

Order-no. 14080 bottle 1 L *



NEW
Formula

Kaltwachs WE 50 is needed – like Revultex 359/ - to cover surfaces which should not be decorated. You can paint on an unburnt glaze with cold wax (Kaltwachs)

Order-no. 14231 can 0,25 L *
Order-no. 14232 canister 5,00 L *

Konservierungsmittel This liquid preservative causes a stabilisation of glaze and casting slip over months. Amount to be added: 0,05 to 0,2% (in relation to the overall amount of slip)

Order-no. 14384 bottle 0,25 kg *

Dextrin 258/ is an organic binder which causes a better adhesion of the glaze on the shards and which evaporates during the burning. Amount to be added: up to 2%

Order-no. 14091 from 25 kg
from 10 kg
from 1 kg

Bentone EW increases viscosity and adhesion of glazes. Additionally the disposition is prevented as well as the workability positively influenced. Amount to be added: 0,3 to 1% (according to requested consistency)

Order-no. 14300 from 25 kg
from 10 kg
from 1 kg
less than 1 kg

Glasurkleber CMC 300 G acts in glazes as binder (glaze glue) like Dextrin. Amount to be added: approx. 0,2%

Order-no. 14100 from 20 kg
from 10 kg
from 1 kg
less than 1 kg



Glasurgranulate *glaze granules* are added to glazes in order to have an effect of speckles (i.e. Glasur 983 confetti on page 21). After adding the granulates the glaze should not be sieved. Burnable up to 1250°C. Amount to be added: 0,2 - 9%. Alternative: Illmenit (see page 8)

Order-no. 14842 Rot „fein“
Order-no. 14513 Weiß
Order-no. 14517 Schwarz
Order-no. 14843 Grünv → only while stocks last
Order-no. 14845 Blau
Order-no. 14849 Gelb → only while stocks last



Glitterpigment is added to glazes to obtain a glitter-effect (i. e. in our Glitter-Glazes on page 14). Amount to be added: 5 - 15%. Firing range up to 1100°C. After that, the glitter effect is lost.

Order-no. 14518 from 1 kg
less than 1 kg

Mattierungsmittel by adding 5 - 20% of this medium to a shiny glaze a matt surface is produced. The glaze run-off is reduced by the medium, too.

Order-no. 14115 from 10 kg
from 1 kg
less than 1 kg

Stammlösung for liquidglazes

With this solution all powder glazes can be made paintable (to be used with a brush). Mix approximately 200 g of the solution with 1 kg of glaze powder and approx. 0,7 liter of water.

Order-no. 14117 1,5 kg can *

Pehatine 209 improves the spreadability and adhesion of the glaze.

For brush application:
Approx. 20-30% Pehatine to 1 kg powder and approx. 50-60% water.

For spraying, pouring or dipping:
Approx. 5% Pehatine to 1 kg powder + water, as required.



Order-no. 14112 500 ml can
from 20 can *



For prices, scan the
QR code and enter
the order-no.

Reparaturmasse *repairing mass* (light-burning) is used to improve bisque fired shards. Massage it into the fissures or glue broken parts together. The repairing mass (Reparaturmasse) is also suitable for improvements on the bricks of the kiln. Heat resistant up to 1350°C.



Order-no. 14140 can 0,5 kg *

Thermofix-Kleber *thermofix-glue* (light-burning) to glue bisque fired and glazed fragments. The glue has to be burnt again. Heat resistant up to max. 1250°C.



Order-no. 14480 tube 17 ml

Order-no. 14481 tube 70 ml

Marmorkitt AKEMI 1000 is an extremely enduring two-component-glue on a polyester basis. It can be used to cement and glue already burnt ceramic (cannot be burnt together with the ceramic).

Can of 150 ml and hardener

Order-no. 14350



Spachtelmasse glues even vertical surfaces because it does not flow. Can of 150 ml and hardener

Order-no. 14351

Dichtungsmittel 115/ *sealant* helps to subsequently seal leaking vases and similar objects. The objects treated with the sealing-liquid hardly change their appearance.

Order-no. 14130 canister 10 L *

bottle 1 L *

Feinstaubmasken FFP 3 offer protection against hazardous toxic, solid and liquid particles up to 30 times of the exposure limits at workplaces (according to German law)

Order-no. 14151 from 5 pieces
1 piece



Elastikpuffer are the „invisible“ alternative to felt and are glued to the underside of ceramic objects. Self-adhesive and transparent. Measurements: ø 8,0 mm, height 2,2 mm

Order-no. 14640



Kacheln *tiles* unglazed, bisque fired. To be painted and decorated.

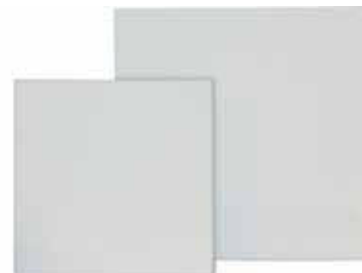
Order-no.	dimensions approx. cm	thickness approx.	pack size
14400	14,7 x 14,7	5,5 mm	46 pieces*
14420	20 x 20	6 mm	27 pieces*

*quantity may vary!

Burning range max.:

1070°C flatly burnt

1040°C in tile crank



Siebgewebe made of stainless steel V2A which is also used in our sieves on page 47.

Order-no.	meshes per cm²	width of the meshes mm
15850	400	0,315
15860	900	0,200
15870	1600	0,150

Minimum order 0,25 x 1 m. If you order 5m² or more of one type, we are able to supply other widths, too.



Stanzöl (Formöl) is used as means of separation during the stamping of ceramic products in steel and plastic forms.

Order-no. 14471 canister 20 kg *

Order-no. 14470 bottle 0,5 kg *

Effekt-Bildner *Effect creator* is applied to an unfired, dried glaze 1-2 times with a brush. Can be used in all temperature ranges (1050 - 1260°C). This additional application enhances and even changes effects.

Try it out!

(Note: apply thinly to the lower edge of vertical surfaces. If applied thickly, the effect former tends to run strongly).

Order-no. 14102 * can 500 ml





Detailed brochures on request



Precise kitchen scales

Delivery includes matching batteries.

- Extremely simple operation: 2 buttons
- Convenient taring with just one button press. This allows, for example, a bowl to be tared before starting the recipe. In addition, after each ingredient is weighed, the scale can be tared so that the next ingredient can be weighed with the weight specified in the recipe without having to calculate anything.
- Integrated AUTO-OFF function to conserve battery power

Order-no.	model	area of balance	readability	balance platform
15516	FGE 5K-3S05	5.000 g	1,00 g	152 x 230 mm
15517	FGE 10K-3S05	15.000 g	1,00 g	272 x 205 mm



Basic precision balances

Delivery includes 4 AA batteries (alkaline). Optionally these balances also work with a net-adapter (not included in the delivery range).

Order-no.	model	area of balance	readability	balance platform
15504	EMB 500-1	500 g	0,10 g	150 Ø mm
15510	EMB 2200-0	2.200 g	1,00 g	150 Ø mm
15521	EMB 5.2K 1	5.200 g	1,00 g	150 Ø mm
15530	Power adapter			



Precision balances for laboratories

Delivery includes a net-adapter. Optionally these balances also work with batteries or respective storage batteries (not included in the delivery range).

Order-no.	model	area of balance	readability	balance platform
15524	PCB 300-2	300 g	0,01 g	105 Ø mm
15527	PCB 2000-1	2.000 g	0,10 g	130 x 130 mm
15528	PCB 6000-0	6.000 g	1,00 g	150 x 170 mm
15526	PCB 6000-1	6.000 g	0,10 g	150 x 170 mm

→ Not in stock! These scales are delivered directly from the manufacturer.

Industrial platform balances

Delivery includes a net-adapter. Optionally these balances also work with batteries or respective storage batteries (not included in the delivery range).

Order-no.	model	area of balance	readability	balance platform
15505	DE 15K2D	15.000 g	5,00 g	315 x 305 mm
15506	DE 60K10DL	60.000 g	20,00 g	522 x 403 mm

→ Not in stock! These scales are delivered directly from the manufacturer.





For prices, scan the
QR code and enter
the order-no.

Accessories and auxiliary devices | 39

Order-no.

15230 **Measuring cylinder** with a scale up to 100 ml

15220 **Measuring cylinder** with a scale up to 500 ml

15320 **Plastic vessel** with a scale up to 1 L

15210 **Plastic vessel** with a scale up to 2 L



Order-no.

14120 **Aräometer** length: approx. 24,5 cm Bulk prices 1 piece / 10 pieces

Aräometer (**glaze spindles**) are used to find out the specific weight of the mixed glaze. Our glaze spindles are equipped with two scales:

- Specific weight (scale degrees 1-2)
- Glaze density according to Baumé (scale degrees 0-70)



Abwiege-Schaufeln *Scoops for weighing*

Order-no.	material	length incl. grip	
22430	Made of aluminum	approx. 400 mm	1510 cm³
22420	Made of aluminum	approx. 350 mm	675 cm³
22410	Made of aluminum	approx. 290 mm	440 cm³
22405	Made of aluminum	approx. 185 mm	105 cm³
22450	Made of plastic	approx. 160 mm	50 cm³



Bayer-Email-Prüfsiebe

Order-no.	name	mesh	mesh-width
15540	Test-sieve (complete)	3.600	0,1 mm
15541	Spare sieve	3.600	0,1 mm
15550	Test-sieve (complete)	10.000	0,06 mm
15551	Spare sieve	10.000	0,06 mm

They are used to check the grinding fineness of glazes or casting slips quickly. The residue on the 3.600 or 10.000 M/cm² sieve is measured.



Order-no. 15920

Glaserzerstäuber Is used for spraying of glazes or for spray-effects on unburnt glazes with a different glaze or staint, length approx. 35 cm



Order-no.	ROUND	width approx
14160	R 4	100 mm
14170	R 5	125 mm
14180	R 6	150 mm

(If 10 pieces of one sort are purchased: 20% off)



DIN-flow-cup (Viskosimeter)

In order to adjust mass- or glaze-slickers according to their time of running out.

Order-no.

15470	4 mm Ø
15471	6 mm Ø



Order-no.	ANGULAR	width approx
14190	E 4	100 mm
14200	E 5	125 mm
14210	E 6	150 mm

(If 10 pieces of one sort are purchased: 20% off)

Tea-pot-handles made of rattan



Clay centerer

Centering the easy way! With the help of this patented centerer everybody can center clay on an electric wheel within 10-15 seconds. Try it out – you'll like it!

Exclusive delivery only by us!

Order-no. description

20392 of wood and stainless steel, 76 cm long
Stainless steel blade adjustable in height



Potlift, painted metal, Ø 30,5 cm

is used to lift sensitive parts from the top of the wheel.

Order-no. 15110



Wheelhead grip

The wheel-head grip (turning help) fits all wheel-heads up to 320 mm in diameter. This device is delivered with four different sets of gripping devices so that different forms can easily be centered for turning or decorating.

Order-no. 15830



Order-no.
15900
15910

Clayroller

With its help the clay can be rolled evenly. The roller-coat is made of shock-resistant plastic. General length: approx. 70 cm / length of the roller: approx. 42 cm. Diameter of the roller: approx. 9 cm

without ball-bearing (orange)
with ball-bearing (blue)

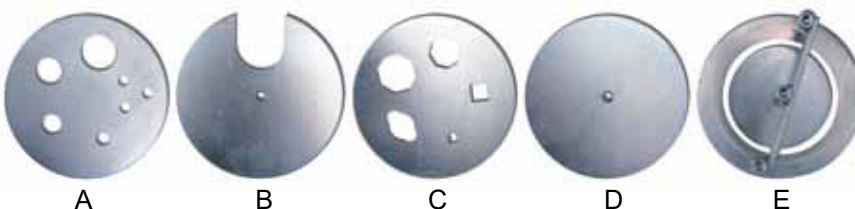
If 10 pieces of one sort are purchased: 10% off.

Manual clay press

Stable, coated version to be fixed on the wall. Handles and tubes can be drawn. 5 different templates are included in the delivery. The manufacturing of your own templates is possible.

Cylinder diameter approx. 10 cm, Cylinder height approx. 30 cm, General height approx. 70 cm

Order-no. 15820



A

B

C

D

E

The **templates** are separately available:

Order-no. 15821 "A" Order-no. 15824 "D"

Order-no. 15822 "B" Order-no. 15825 "E"

Order-no. 15823 "C"

Order-no. 15826 **Set (A-E)**





For prices, scan the
QR code and enter
the order-no.



Banding wheels

Order-no.	type	material	Ø approx. mm	height approx. mm	bearing	weight approx.
15711	303	Cast steel	220	45	Ball-bearing	3,5 kg
15712	304	Cast steel	220	80	Steel sphere	3,3 kg
15721	305a	Cast steel	220	120	Steel sphere	3,4 kg
15662	307b	Cast steel	300	100	Ball-bearing	9,2 kg
15631	309a	Cast steel	220	145	Ball-bearing	4,3 kg
15680	312	Aluminium	220	55	Ball-bearing	1,3 kg
15740	314	Aluminium	220	165	Ball-bearing	1,7 kg

All banding wheels are marked **with circular lines on the surface** in order to allow a faster centering of the objects. Differences in colour with regard to the enamel finish are possible.

Mass discount:
If **10 wheels** of one sort are purchased:
10% less.



15730	18 LE	Cast steel	178	57	Ball-bearing	4 kg
15731	22 LE	Cast steel	222	57	Ball-bearing	5,2 kg
15732	25 LE	Cast steel	250	57	Ball-bearing	6,25 kg
15733	25 HE	Cast steel	250	190	Ball-bearing	6,8 kg
15734	30 ME	Cast steel	298	120	Ball-bearing	11,55 kg

15742	TA 30	Aluminium	300/200	43	Ball-bearing	1,6 kg
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(2 in 1 turning model)



❶ Order-no. 15750 **Modellierbock** Freight forwarding

Stand for modelling

The stand for modelling consists of a stable, three-foot tube-frame. The round **massive wood plate** has a diameter of 350 mm, has a spindle and can be adjusted in the height of 900 to 1200 mm.

❷ Order-no. 15700 **Fußbränderscheibe 308a**
floor-standing decoration-wheel

The floor-standing decoration-wheel containing a steel-sphere (cast-steel) has a diameter of 220 mm and can be adjusted in the height from 750-1180 mm. Weight approx. 8,7 kg.

❸ Order-no. 15760 **Höhenmaß (Stechmaß)**
Wheel-gauge

Helps to keep the same height and breadth when throwing a series of objects. The tool is delivered with two runners. Height approx. 600 mm.





Modellierhölzer modelling tool
polished wood, approx. 19-24 cm long

Order-no. Nr.

16010	1
16020	3
16030	5
16040	7
16050	9
16060	11
16070	12
16080	14
16090	15
16100	17
16110	20
16120	21
16130	22
16140	23
16150	24
16160	25
16170	26
16180	27
16190	28
16200	29



Modellierhölzersatz
set of modelling tools
16 tools, approx. 18 cm long
Order-no. no.
16570 96



Mini-Modellierhölzer-Satz
set of modelling tools
6 tools approx. 12 cm long
Order-no. no.
16600 94

You can order following single tools separately
out of the set:

Order-no. length approx.

16450 15 cm

16460 13 cm



Modellierhölzersatz
set of modelling tools
7 tools, approx. 20 cm long
Order-no. no.
16510 93



For prices, scan the
QR code and enter
the order-no.



Keramikwerkzeugsatz

set of ceramic tools
9 tools
approx. 14 - 22 cm long

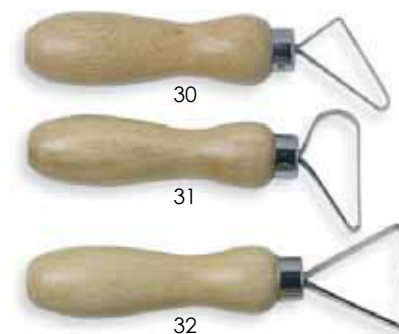
Order-no.	no.
16550	100



Keramikwerkzeugsatz

set of ceramic tools
7 tools
approx. 11 - 16 cm long

Order-no.	no.
16530	98



Modellierschlingen

looped tool
made of stainless steel,
approx. 13-15 cm long

Order-no.	no.
16300	30
16310	31
16320	32



Bildhauerschlingen

sculpturing tool
made of stainless steel,
approx. 26-32 cm long

Order-no.	no.
16400	40
16410	41
16420	42
16430	43

Modellierschlingen looped tool

made of stainless steel, approx. 19 - 21 cm long

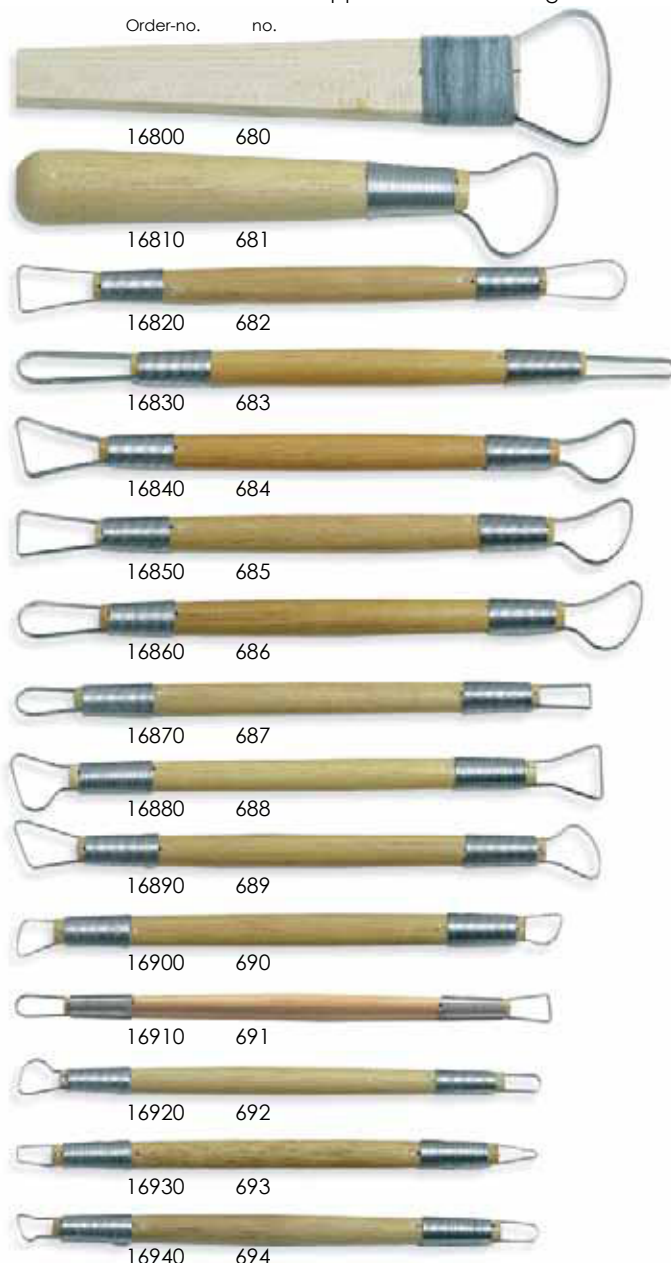
Order-no.	no.
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Modellierschlingen mit Drahtbund

coiled ribbon tool approx. 15 - 20 cm long

Order-no.	no.
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Töpferwerkzeug-Satz
pottery tool kit
8 tools

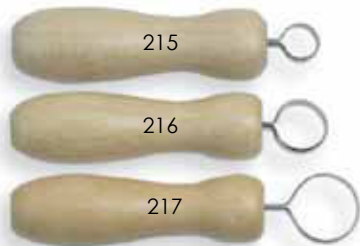
Order-no. no.
16500 92

Lochschneider *holecutter*

Order-no.	no.	Ø
17500	211	5 mm
17510	212	8 mm
17520	213	13 mm
17530	214	21 mm

Universal-Lochschneider

holecutter
Order-no.
16750



Rollenschneider *looped tool*

Order-no. no. Ø
17540 215 12 mm
17550 216 19 mm
17560 217 25 mm

Knibishölzer *decorating tools*

Order-no.	no.	form	length (approx.)
17720	247	straight	12 cm
17730	248	wavy	13 cm

Redholz

Order-no.	no.	length (approx.)
17740	249	18 cm



Henkelzieher

handlemaker
approx. 12 cm long, stainless steel
Order-no. no.
17600 221

Keramikwerkzeuge *cutout-tools*
approx. 13 - 17 cm long
Order-no.



Set kleine Modellierschlingen

set small looped tools
6 tools with metal grip
approx. 14 cm long
Order-no. no.
16560 95



Töpfernadeln *(cutting needle)*

Order-no.	no.	length (approx.)
17330	81 A	14 cm
17320	82	17 cm

cheaper as a set

Set of above shown tools
Order-no. no.
16540 99



For prices, scan the
QR code and enter
the order-no.



Order-no. 17290 **Engobemalspritze 79 B**

sliptrailer with
plastic pipette

Order-no. 17260 **Engobemalspritze 79 A**

sliptrailer with
plastic pipette

79 A
approx.
1,5 mm Ø

79 B
approx.
3,0 mm Ø

Set Engobemalspritze

sliptrailer set
with 4 plastic pipettes
(approx. 1,0 / 1,5 /
2,0 / 3,0 mm Ø)

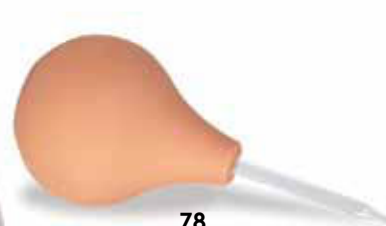
Order-no.
17490



Set Engobemalspritze

sliptrailer set
with 4 pipettes made of
stainless steel
(1,0 / 1,4 / 1,8 / 2,2 mm Ø)
1 plastic pipette
(3,5 mm Ø)
und bayonet lock

Order-no.
16980



78
approx. 1 mm Ø

Order-no.

17250 **Engobemalspritze 78**

sliptrailer complete
with glas pipette

17270 **Glas-Pipetten**

glas pipette single

17251 **Malbällchen**

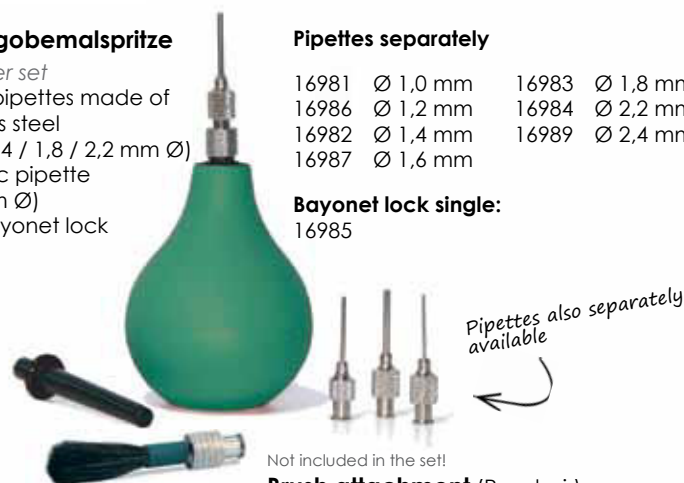
sliptrailer single

Pipettes separately

16981	Ø 1,0 mm	16983	Ø 1,8 mm
16986	Ø 1,2 mm	16984	Ø 2,2 mm
16982	Ø 1,4 mm	16989	Ø 2,4 mm
16987	Ø 1,6 mm		

Bayonet lock single:

16985



Pipettes also separately
available

Not included in the set!

Brush attachment (Ponyhair)

Hair length approx. 2,5 cm

Order-no. 16991



Engraving knife

Order-no.	form
16391	round
16392	pointed
16393	angular



Töpfermesser pottery knives

Order-no. no. length



17050 48 18 cm

17060 49 19 cm

16950 50 17 cm

16960 51 22 cm

Palettmesser palette knives

stainless steel
Order-no. length of blade

17160 67 approx. 6 cm

17170 68 approx. 13 cm



Art-Roller made of wood and steel
(Total length approx. 17 cm)
Including handle!



Order-no.



17431 Design 01



17432 Design 02



17433 Design 03



17434 Design 04



17435 Design 05



17436 Design 06



17437 Design 07



17438 Design 08



17439 Design 09

Art-Roller made of wood and rubber
(Total length approx. 19 cm)
Including handle!



Order-no.



17391 „Herz“



17392 „Vogel“



17393 „Blume“



17394 „Deko“



17395 „Schlange“



17396 „Farn“



17397 „Profil“



17398 „Welle“



17399 „Punkte“



Order-no.
length

- | | | | |
|---|-------|---|---------------|
| 1 | 17280 | Texturstift (Texture brush) | approx. 14 cm |
| 2 | 17190 | Gummistift (Rubber pen) | approx. 17 cm |
| 3 | 17480 | Schneiderad (Clay cutter) | approx. 16 cm |
| 4 | 17080 | Verputzerwerkzeug (Line cleaner) | approx. 13 cm |

Verzierstäbe pattern rope maker
wood



Only while
stocks
last!

Order-no. 17584 - V14
dimension:
approx. 20 x 180 mm

Order-no. 17586 - V16
dimension:
approx. 20 x 150 mm

Order-no. 17588 - V18
dimension:
approx. 20 x 150 mm

Order-no. 17589 - V19
dimension:
approx. 20 x 90 mm



For prices, scan the
QR code and enter
the order-no.

Order-no. 17998
Stamp-set **animals** (wood and rubber)
(Stamps approx. 5,5 cm high / 2 cm Ø)



Order-no. 17996
Stamp-set **forms** (wood and rubber)
(Stamps approx. 5,5 cm high / 2 cm Ø)



Order-no. 17997
Stamp-set **cross** (wood and rubber)
(Stamps approx. 5,5 cm high / 2 cm Ø)



approx. 10 mm



approx. 10 mm



approx. 10 mm



approx. 15 mm

Stamp from bioplastic
(corn starch - compostable!)
Measures approx. 30 mm high.

Order-no.

17991 Stamp set **large letters**
27 pieces, 1 wooden handle (A-Z, 1 x special character)

17992 Stamp set **small letters**
27 pieces, 1 wooden handle (a-z, 1 x special character)

17993 Stamp set **numbers**
18 pieces, 1 wooden handle (Numbers 0-9, 9 x special character)

17994 Stamp set **spirals and squares**
11 pieces, 1 wooden handle

17995 Stamp „suitable for eating and drinking“



ca. 15 mm



Satz Drehschienen „eckig“
throwing rib set "angular"
boxwood
7 - 11 cm long
Order-no. no.
17860 263



Satz Drehschienen „rund“
throwing rib set "round"
boxwood
8 - 12 cm long
Order-no. no.
17870 264



Dekorationskämme *decoration comb* steel, approx. 21 cm long



Order-no. 17570 no. 757 8 comb tines



Order-no. 17580 no. 758 6 comb tines



Gummischaber
rubber scraper
Order-no. no. length
17820 167 8 cm
17830 168 11 cm



Spezial-Drehschienen
contour ribs
hardwood,
approx. 9,5 x 4 cm
Order-no.
17153 SD 03
17154 SD 04
17156 SD 06
17158 SD 08



Drehschienen
throwing ribs
hardwood,
approx. 10 x 5 cm
Order-no. no..
17100 61
17110 62
17120 63
17130 64
17140 65
17150 66



For prices, scan the
QR code and enter
the order no.



267

Ziehklingen
steel scraper
stainless steel **0,8 mm**
approx. 12-15 cm long

Order-no.	no.
17670	267
17690	269
17680	268



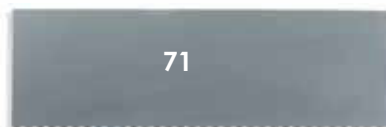
269



268



Werkzeugsatz
set modelling tools
stainless steel, 7 tools
Total length approx. 15 cm
Order-no. 17900



71

Ziehklingen
steel scraper
stainless steel **0,2 mm**

Order-no.	no.	dimension (approx. cm)
17200	71	15x5
17210	72	10x5
17220	73	12x5
17230	74	10x5
17240	75	10x5



72



73



74



75



202

206

204

207

Abdreheisen
stem turning tool
Total length approx. 18 cm

Order-no.	no.
17400	202
17410	204
17420	206
17430	207



Schneidedraht mit Holzgriffen

clay cutter with wooden grip

Order-no.	no.
17180	69

Schneidedraht ohne Griffe

steel wire without grip

Order-no.	no.	length
17640	69/5	5 m
17650	69/20	20 m
17660	69/50	50 m



Cutting wire spiral

Order-no.	no.
17184	

Schlaghölzer large modelling tool

Order-no.	no.	length
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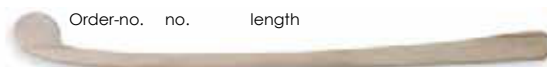
16210	225	30 cm
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16260	226	37 cm
-------	-----	-------

Flaschenknecht throwing stick

Order-no.	no.	length
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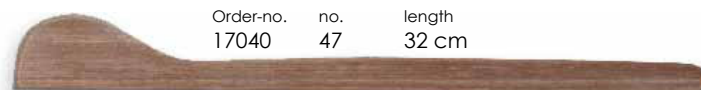
17890	255	29 cm
-------	-----	-------



17880	256	36 cm
-------	-----	-------

Drehstab throwing stick

Order-no.	no.	length
17040	47	32 cm





Töpferzirkel calipers stainless steel

Order-no.	no.	slide length
17710	246	30 cm
17700	245	20 cm



Doppelzirkel lip meter Total length approx. 31 cm

Order-no.	no.
17010	44

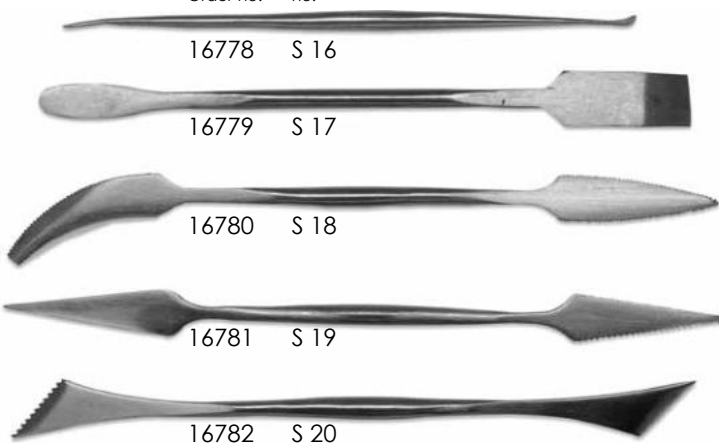
Töpferzirkel calipers hardwood

Order-no.	no.	slide length
17030	46	30 cm
17020	45	17 cm



Bossiereisen plaster modelling tools stainless steel, approx. 18 - 20 cm long

Order-no. no.



16778 S 16

16779 S 17

16780 S 18

16781 S 19

16782 S 20

Set of above shown tools

Order-no.
16785

cheaper as
a set



260



80/Z



80/K



81/B

Innenglasurzange glazing claw

Order-no.	no.	length approx.
17450	260	35 cm

Glasurzangen glazing claw

Order-no.	no.	length approx.
17470	80/Z	28 cm
17300	80/K	33 cm
17310	81/B	28 cm

Rakutongs
see page 76



For prices, scan the
QR code and enter
the order-no.



Tonpresse *clay gun*
Cylinder approx. 24 cm
incl. 6 patterns
Order-no.
17631



Handtonpresse *clay gun*
approx. 10 cm long made of
cast zinc alloy incl. 19 patterns
Order-no.
17630



Handtonpresse *clay gun HP9*
approx. 12 cm long made of transparent
plastic incl. 10 patterns
Order-no.
17637

Reibschale mit Pistill

mortar and pestle

Order-no. no.	Ø cm
17440 86	9
17370 87	15



Gehungsschneider

Mitre cutter
made of wood and wire
dimensions approx. 14 x 4 x 1,5 cm (WxHxD)
for approx. 30°, 45° and 60° lips

Order-no.
17245



Satz kleine Tonstecher

pattern cutter set
6 pcs., approx. 1 cm Ø,
4 cm high

Order-no.
17070

Siebe mit Kunststoffrahmen

sieve with plastic frame
stainless steel screen cloth

900 Ma/cm² - 72 mesh

Order-no. no.	Ø cm
17340 83	15
17350 84	20
17360 85	25

400 Ma/cm² - 52 mesh

(i. e. for casting slips)

Order-no. no.	Ø cm
16970 88	20



Labor-Sieb

laboratory sieve

576 Ma/cm² - 60 mesh

Ø on top 11 cm, on bottom 9 cm

Order-no.
17361

Schüsselsieb

bowl sieve

900 Ma/cm² - 72 mesh

Ø on top 24 cm, on bottom 18 cm

Order-no.
17460



Tonschneidebügel inkl. 1 Draht

solid stainless harp incl. 1 wire
30 cm

Order-no. no.
17610 223

Ersatzdraht, einzeln

spare wire
17620



	Order-no.	no.	visible
			hair (mm) Ø length
Drawing brush ox hair			
	18010	102	2 11
	18020	104	3 15
	18030	107	4 20
	18040	110	5 23

Drawing brush squirrel hair			
	18050	202	2 12
	18060	204	3 15
	18070	207	4 18
	18080	210	5 22

Painting brush squirrel hair (natural quill with glued wooden handle)			
	18090	306	5 20
	18100	310	6 25
	18110	313	7 28

Writing brush fine ox-ear hair			
	18120	406	8 17
	18130	412	11 20
	18140	414	15 26

Decorating brush goat hair			
	18150	502	8 25
	18160	504	10 30
	18170	506	12 33

Rigger brush ox hair in natural quill (delivery without wooden handle)			
	18180	604	4 34
	18190	602	5 36
	18200	620	6 40
	18210	670	7 45
	18220	690	9 50
	18230	Holzstiele	

Chinese Painting brush ox hair with handle of bamboo			
	18240	701	3 18
	18250	702	4 23
	18260	703	6 29
	18270	704	5 28
	18280	705	11 48

soft Chinese bristle, handle of bamboo			
	18290	706	6 25
	18300	707	6 34
	18310	708	10 45
	18320	709	55 33

Set of painting brushes 2 squirrel hair, 2 ox hair in quill with wooden handle			
	18340	076	Satz
			2 22
			2 26
			4 38
			5 44

Special brush			
	18350		21 50



For prices, scan the
QR code and enter
the order no.

Decorating brush ox-ear hair

	Order-no.	no.	visible hair (mm) Ø length
	18410	804	7 35
	18420	810	14 48

Drawing brush mixture of fine hair

	18450	812	1 8
	18460	814	2 15
	18470	817	3 18

Brushes with ox hair

	18510	832	1 10
	18520	834	2 14
	18530	837	4 18
	18540	840	6 24

Rigger brush ox hair (extra long handle)

	18570	852	1 20
	18580	854	2 22

Brush of bristles pure white

	18610	861	23 35
	18620	862	48 45

Fan brush

white goat hair with acrylic handle

	18651	901	60 35
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Bristle brush flat, golden plastic bristles with acrylic handle

	18661	911	13 15
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Set of Chinese brushes soft chinese bristle (1 ox hair) 4 broad and 3 sharp brushes, wooden or bamboo handle

	Order-no.	no.	visible hair (mm) Ø length
	18330	077 Satz	1 7 5 28 8 23 10 22 17 35 38 38 68 35

Flat brush with short broad handle, soft china bristles

	18323	BH0303	30 25
	18324	BH0304	50 30

Bristle brush Natural pig bristles with wooden handle

	18670	920	11 30
	18671	921	18 35

Flat brush with short, wide bamboo handle, soft Chinese bristles

	18680	schmal	35 40
	18681	breit	50 45





Sponge rubber for glaze-removal-machine

Order-no.	quality (name)	colour	perimeter	breadth	thickness
24010	hard (S 53), no.251/1	orange	967	350	10 mm
24050	hard (S 53), no.251/1 with bonded V-belt	orange	967	350	10 mm
24020	middle-hard (or-mi), no.251/2	orange	967	350	10 mm
24016	hard (bicar 53)	blue	967	350	10 mm
24015	middle-hard (bicar BW)	green	967	350	10 mm
24025	Velour glaze removal tape	black	967	350	2,5 mm

More informations on our [homepage](#).
Different measurements and qualities on request.



Artificial sponges

Order-no.		l x e x h (mm)	pores
14710	KS 101	120 x 90 x 30	fine
14720	KS 102	120 x 90 x 40	fine
14730	KS 103	130 x 90 x 45	fine
14740	KS 104	130 x 90 x 45	rough

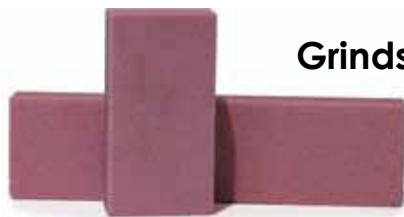
17090 **Silk sponge**
especially finely pored 70 mm Ø
(colour of sponge may vary)

14750 **Artificial sponges KS 100 round**
70 mm Ø, 30 mm thick



Stick sponges

Order-no.	width
17093	50 mm
17092	25 mm



Grindstones made of corundum for rubbing and smoothing of ceramic burnt surfaces.

Order-no.	Dimensions
14590	100 x 50 x 25 mm
14460	200 x 50 x 25 mm



Natural sponges

Order-no.	name
17810	Levantiner (round natural sponge)
17800	Elefantenohr (flat natural sponge)



For prices, scan the
QR code and enter
the order no.

These containers have been very useful for the storing of glazes and clay bodies. They consist of shock- and heat-resistant plastic, thus they are durable and stable.

All containers can be piled up on one another in connection with the lid.

The transport of the container no. 210 can be done with a jack lift or a fork-lift or with an undercarriage deliverable for a surplus.



order- no.	container- no.	volume (approx.)	dimensions (approx.) in cm		
			top	bottom	height

Container with lid

22010 **210** **195 L** 78x60 60x45 68 incl. feet

22110 **Undercarriage** for container no. 210 (max. load capacity 250 kg)

22050 **2** **75 L** 45 Ø 39 Ø 54

22070 **3** **40 L** 37 Ø 33 Ø 45

22040 **Clay box** **100 L** 60x40 60x40 42

22041 **Undercarriage** for clay box (max. load capacity 300 kg)

In quantities of 10 containers (one type): **10% discount.**

Bucket with a pouring-out device and scale

22310 **10 L** 28 Ø 19,5 Ø 30

22320 **15 L** 31 Ø 25,5 Ø 34

Bucket with handle and lid

22160 **3,5 L** 19 Ø 16,5 Ø 18

22170 **6 L** 21 Ø 18,5 Ø 23

22140 **10 L** 25 Ø 22,5 Ø 26,5

22150 **30 L** 35,5 Ø 31,5 Ø 39

In quantities of 10 buckets with handle and lid (one type): **10% discount.**

Cans with

22200 clamp-top **0,3 L** 8,5 Ø 8 Ø 6

22210 clamp-top **1,0 L** 11 Ø 9,5 Ø 14,5

22220 clamp-top **1,6 L** 14 Ø 12 Ø 14

22230 screw cap **0,5 L** 9,5 Ø 9,5 Ø 10

In quantities of 50 cans (one type): **10% discount.**

* Freight forwarding





See

Kreis

Oval

Ei

These molds are made of 18mm thick, moisture-resistant **MDF**. The edges of the molds are sloped at 45° angle. Thus, all molds are **stackable** and can easily be stacked for the production of various sizes.



Store the shape well dried and in a dry place after use.

See

Order-no. sizes

57610	130 x	116 mm
57612	167 x	153 mm
57614	204 x	190 mm
57616	241 x	227 mm
57618	278 x	264 mm

57619 **Set** (5 forms)



Oval

Order-no. sizes

57620	263 x	93 mm
57622	300 x	130 mm
57624	337 x	167 mm

57629 **Set** (3 forms)



Kreis

Order-no. sizes

57630	Ø 130 mm
57632	Ø 167 mm
57634	Ø 204 mm
57636	Ø 241 mm
57638	Ø 278 mm

57639 **Set** (5 forms)



Ei

Order-no. sizes

57640	100 x	130 mm
57642	137 x	167 mm
57644	174 x	204 mm
57646	211 x	241 mm
57648	248 x	278 mm

57649 **Set** (5 forms)



By stacking the forms flatter or higher objects can be moulded.



For prices, scan the
QR code and enter
the order-no.

Auxiliaries for plaster moulds | 57

Schellack is used for (among others) the sealing of the mother-model made of plaster. For the application so-called "kluppen-brushes" (see page 49) are used.

Order-no. 14040

from 100 g
from 1 kg



Releasing agent as **emulsion W 165**, ready to use
releasing agent, used when manufacturing plaster

14370

from 25 kg
from 1 kg



Schellack

Plaster for moulds (Supraduro)

Order-no. 14050

500 kg
25 kg

Plaster mould brackets can be delivered in two
different sizes

Order-no.

14070 **small** (no.3)

dimensions cm (approx.) height 2, Ø 1,5 from 1000 pairs
less than 1000 pairs

14060 **big** (no. 2a)

dimensions cm (approx.) height 2, Ø 2,3 from 1000 pairs
less than 1000 pairs



Plaster for
moulds



Band clamps for plaster moulds

Order-no.

14280 pink, approx. 240 cm long

14290 blue, approx. 150 cm long



Rubber bands for plaster moulds

14600 5" (form scope 25-45 cm)

14610 7" (form scope 38-65 cm)

14620 9" (form scope 50-90 cm)



Quantities of 20 bandages per variety: 20% discount.

Plaster plates Quantities of 10 plates per variety: 10 %
discount.

Order-no. **ROUND** | thickness approx.

23900 Ø 20 | 2,6 cm

23910 Ø 25 | 2,6 cm

23920 Ø 30 | 3,0 cm

23930 Ø 35 | 3,0 cm

Order-no. **ANGULAR** | thickness approx.

23941 30 x 30 | 3,0 cm

23940 50 x 35 | 3,0 cm

23950* 50 x 50 | 3,0 cm

*Delivery is only possible by a **carrier** 



Filler funnel for solid casting moulds
approx. 11 cm Ø - 7,5 cm high
31430



Lock for money-box metall, incl. key
approx. 35 mm Ø
14630

Production-
technically it can
occur that
molds are
moist.



1| Mould of half-bowl for **inside re-shaping**



2| mould of 4 half-bowls for inside re-shaping



Ø 40er mould
delivery ist only
possible by a carrier!

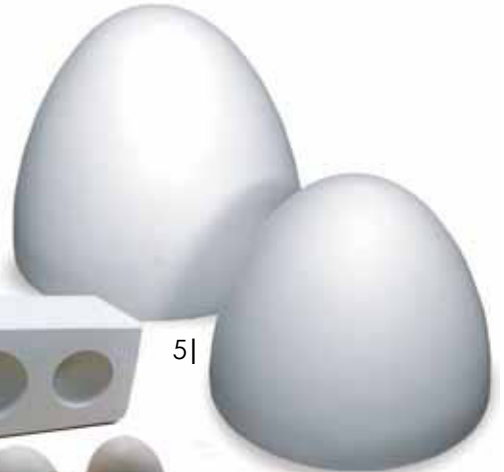
3| Mould of half-bowl for **inside and outside re-shaping**

All moulds
shown on this
page can be
casted or shaped
with plastic clay
mass!

4| mould of 4 „Kumme“ for inside re-shaping



5|



6|



7|



8|



9|



10|



Order-no.

dimensions cm (approx.)

1	23510	Halbkugel	(for inside re-shaping)	10 Ø
	23512	Halbkugel	(for inside re-shaping)	12 Ø
	23520	Halbkugel	(for inside re-shaping)	15 Ø
	51990	Halbkugel	(for inside re-shaping)	18 Ø
	23530	Halbkugel	(for inside re-shaping)	20 Ø
	23540	Halbkugel	(for inside re-shaping)	25 Ø
	23550	Halbkugel	(for inside re-shaping)	30 Ø
	23560	Halbkugel	(for inside re-shaping)	35 Ø
	23570	Halbkugel	(for inside re-shaping)	40 Ø
2	23594	Halbkugel 4er Form		4, 5, 6, 8 Ø
			inside / outside	
3	23591	Halbkugel	(for inside and outside re-shaping)	15 / 17,5 Ø
	23592	Halbkugel	(for inside and outside re-shaping)	20 / 25 Ø
	23593	Halbkugel	(for inside and outside re-shaping)	30 / 35 Ø
4	23416	Kumme form of 4		4, 5, 6, 8 Ø

5	23411	Kumme	(for inside re-shaping)	15,5 Ø / 12,5 h
	23412	Kumme	(for inside re-shaping)	19 Ø / 16 h
	23413	Kumme	(for inside re-shaping)	22,5 Ø / 18 h
6	54410	Kegelstumpf	(for inside re-shaping)	15 Ø
	54420	Kegelstumpf	(for inside re-shaping)	20 Ø
	54430	Kegelstumpf	(for inside re-shaping)	25 Ø
7	31080	Diskus	(for inside re-shaping)	18 Ø
	31090	Diskus	(for inside re-shaping)	25 Ø
8	57200	Schalenform/Linse	(for inside re-shaping)	10 Ø
	57210	Schalenform/Linse	(for inside re-shaping)	15 Ø
	57220	Schalenform/Linse	(for inside re-shaping)	20 Ø
	57230	Schalenform/Linse	(for inside re-shaping)	25 Ø
	57240	Schalenform/Linse	(for inside re-shaping)	30 Ø
9	31630	Sonne	(for inside re-shaping)	18 Ø
10	23421	Schale oval	(for inside re-shaping)	20 l x 10 w
	23423	Schale oval	(for inside re-shaping)	30 l x 15,5 w

You can find **more moulds** (not on stock!) on our homepage www.carl-jaeger.de!



For prices, scan the
QR code and enter
the order-no.



Production-
technically it can
occur that
molds are
moist.

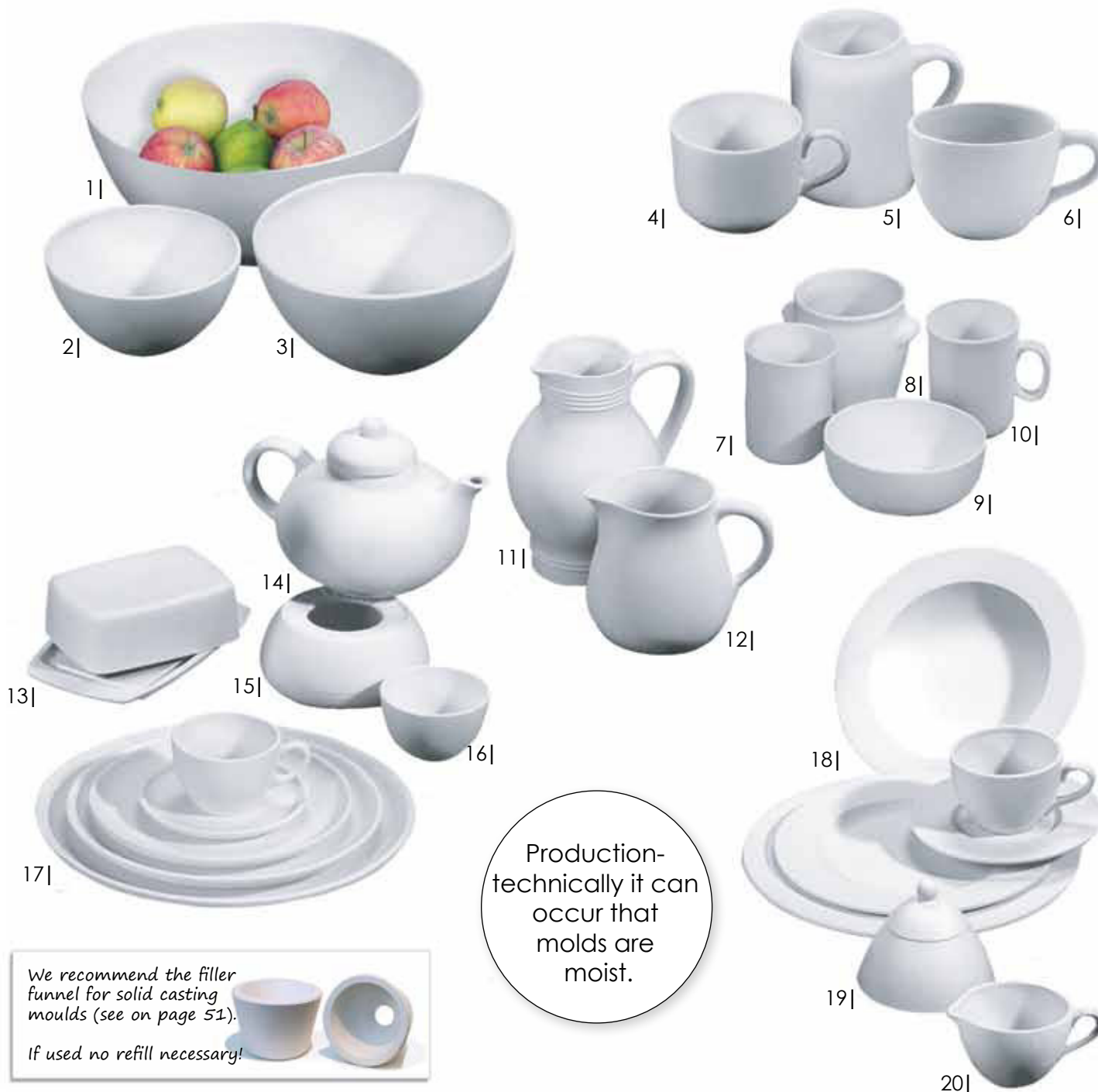
9|
These cup moulds are suitable for pouring or
moulding!

The modelling loop „32“ on page 43 is parti-
cularly suitable for removing the „protection“
from both cups.



Order-No.	Ø above / height cm (approx.)
9 23076 Becher HH 15/4	9,8 / 12,3
10 23074 Becher mit Rillen HH 15/6	8 / 12

Order-no.		dimensions cm (approx.)
1 53440	Echse HH 466/23	23 L
2 56910	Frösche (3er) K149	3-4 L
3 31580	Kürbis HH 80/18	18 Ø, 18 H
4 31401	Stelenspitze HH304/14	13 Ø, 14 H
4 31402	Stelenspitze HH304/26	16 Ø, 26 H
5 23660	Hühner-Ei	7 H
5 31530	Ei HH36/15	15 H
5 31550	Großes Ei HH36/25	25 H
6 54190	Schiffchen HH618/28	28 L
6 54200	Schiffchen HH618/38	38 L
7 57270	Herz HH 368/15	15
7 57280	Herz HH 368/20	20
8 57471	Napf HH 602/18	Ø unten 18
8 57472	Napf HH 602/22	Ø unten 22
8 57473	Napf HH 602/31	Ø unten 31



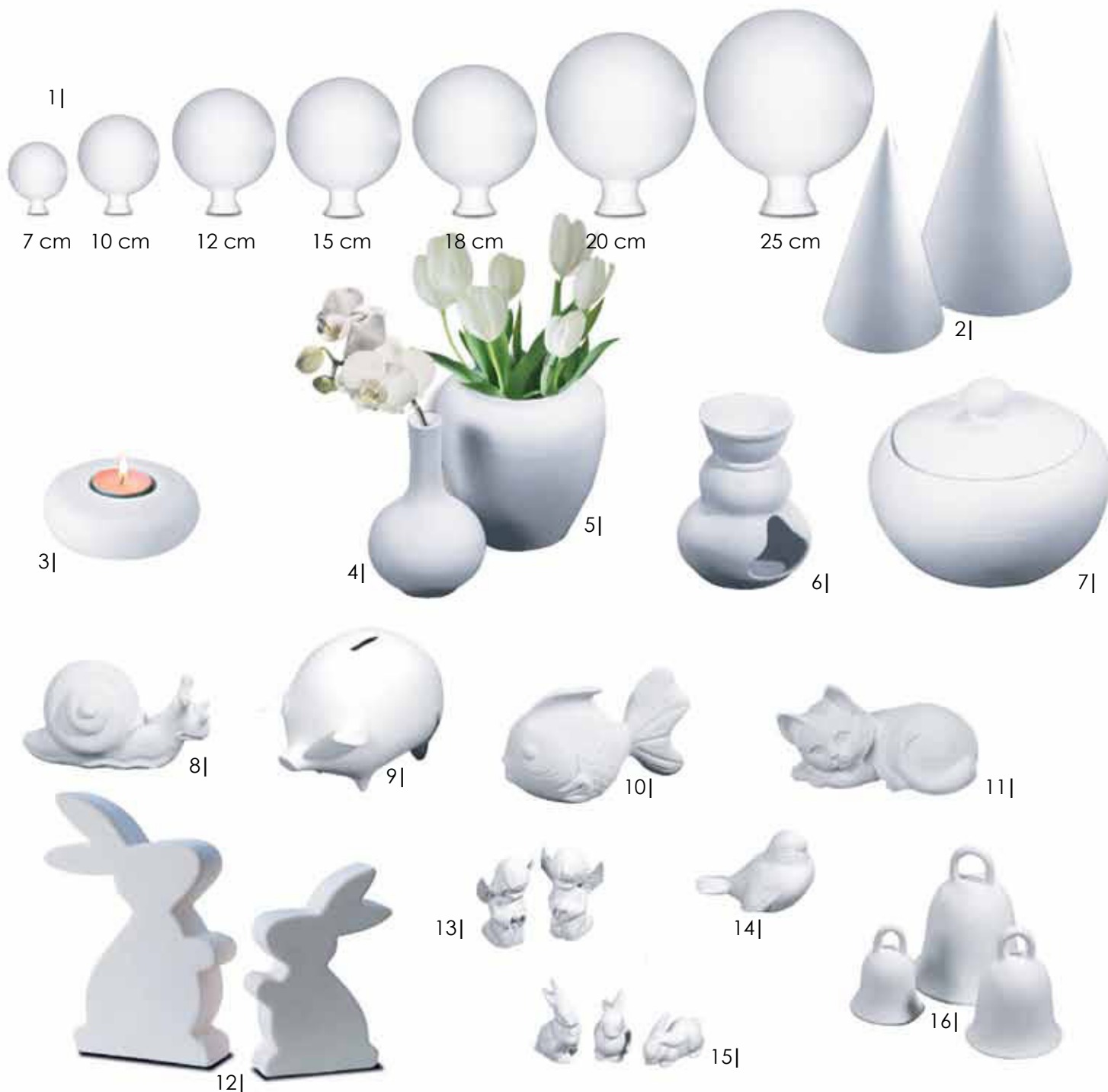
Order-no.		dimensions cm (approx.)
1	31290 Schüssel HH202/30	30 Ø
2	31280 Schälchen HH202/17	17 Ø
3	51950 Schüssel HH202/23	23 Ø
4	23210 Kaffeepott HH10/3	9 h, 11 Ø
5	23500 Bierkrug GF201	14 h, 0,5 L
6	51390 Jumbo Tasse HH 10/4	12,5 Ø, 9,5h
7	23070 Becher (without handle) HH15	10 h
8	23090 Schmalztopf HH20	10 h
9	23080 Suppentasse HH16	13 Ø
10	23260 Hohe Tasse HH10/1	10 h, 8 Ø
11	23200 Weinkrug HH53/22	22 h / 1,5 L
12	23130 Milchtopf HH24	13 h, 17 Ø
13	23580 Butterdose GFP43+44	upper part, 6 h (bottom part ist solid casting) 22 L

14	23270	Teekanne HH100+100a	with cover 15 h
15	23290	Stövchen HH102	16 Ø
16	23280	Teeschale HH101	6 h
17	23050	Tasse HH10	6 h, 9 Ø
	23010	Unterteller HH2/14	14 Ø(solid casting)
	23020	Teller HH2/22	22 Ø(solid casting)
	23030	Teller HH2/26	26 Ø(solid casting)
	23040	Teller HH2/31	31 Ø(solid casting)
18	31350	Suppen-Teller HH9/24	24 Ø (solid casting)
	31330	Kaffee-Tasse HH10/6	7 h, 9,5 cm Ø
	31340	Untertasse HH 9/16	16 Ø (solid casting)
	31300	Teller HH9/23	23 Ø (solid casting)
	31310	Teller HH9/28	28 Ø (solid casting)
19	31380	Zuckerdose HH105+105a	with cover 11 h
20	31390	Milchgießer HH106	10 h

You can find **more moulds** (not on stock!) on our homepage www.carl-jaeger.de!



For prices, scan the
QR code and enter
the order-no.



Order-no.		dimensions cm (approx.)			
1	23700	Kugel	7 Ø		
	31460	Kugel	10 Ø		
	23710	Kugel	12 Ø		
	31480	Kugel	18 Ø		
	31490	Kugel	20 Ø		
	31500	Kugel	25 Ø		
2	23720	Rosenkugel	15 Ø		
3	31030	Kegel HH701/25	25 h		
	54440	Kegel HH702/18	18 h		
4	56950	Teelichthalter K153	11,5 Ø		
5	23460	Orchideenvase GF139	14 h, 9 Ø		
6	23470	Tulpenvase GF140	14 h, 13,5 Ø		
7	31130	Aromalampe K46	14 h		
8	31210	Dose HH365/17+17a with cover	15 h, 17 Ø		
9	31010	Schnecke HH457/15		15 l	
10	23140	Sparschwein HH34		17 l	
11	23600	Fisch K17		16 l	
14	23610	Katze K18		16 l	
13	57460	Hase groß CT 243		H: 21 - B: 15	
	57461	Hase klein CT 244		H: 15,5 - B: 11	
15	31000	Engel (Paar) DM544B		7,5 h	
16	31170	Spatz K56		8 l	
17	31140	3 kleine Hasen K69		6-7 l	
18	23770	Glocke K90		8 h	
	23780	Glocke K91		10 h	
	23790	Glocke K92		12 h	

You can find **more moulds** (not on stock!) on our homepage www.carl-jaeger.de!

62 | Spray guns / compressor

For prices, scan the QR code and enter the order-no.



The spray guns consist of stable alu-bodies. Air nozzle, needle and air-cap are made of high-grade steel or brass respectively. The floating mug is of plastic. The wear parts can be replaced. The delivery includes also a **set of nozzles with diameter as you choose**, floating-mug and air-inlet for the connection to an air-plug.

Please name the **type** and sort of **air-nozzle-boring** upon ordering!



Order-no.type / description

- 15030 **SLIM 680** Universally applicable spray gun. High pulverising air cap. Light weight, ergonomic and reduced air consumption. Round / wide jet adjustment. Supplied in easy to use rigid plastic case containing all the accessories for a proper cleaning and maintenance. Possible nozzle diameter 1,3 | 1,5 | 1,7 | 1,9 | 2,2 | 2,5 mm
- 15075 **Pilot Trend** Good value spray gun for jobs in industry and workshops. Nozzle and needle made of stainless steel. Highly compressed aluminium body. Material flow rate and atomizing air flow adjustment. Round / wide jet adjustment. Possible nozzle diameter 0,8 | 1,0 | 1,2 | 1,5 | 1,8 | 2,0 | 2,5 mm
- 15071 **Pilot 1 (Dekorspritzpistole)** (*Spray gun for decorating jobs*) Very light and handy spray gun for fine spraying jobs, shading and decorating. Only for round jet. Possible nozzle diameter 0,3 | 0,5 | 0,8 mm
- 15060 **Optima EP** Dust and air gun. For blowing and cleaning of ceramic objects.



Aerotec Zenith 270 TECH SILENT mobile piston compressor in oil-free version. Maintenance-free 1 cylinder unit. Clearly arranged control unit for extraction of condensate-free compressed air. Large hard rubber wheels and transport handle. Two feet for a safe stand. Start-up relief via Condor pressure switch.

Delivery includes 5 meter compressed air hose.

Motor	1,1 kW / 1,5 PS
Connection	230 V / 50 Hz
Air tank	24 l
Boiler pressure max.	10 bar
Suction capacity	175 l/min.
Delivery	105 l/min.
Rotational Speed	1440 rpm.
Sound pressure level	85 LWA / 68 dB
Weight	30,5 kg

Order-no. 20012

Freight forwarding

- Order-no. 15100 **Glaze spray system** Freight forwarding
Piston-compressor as described above. Air-gun SLIM 680 with flat- and round-stream blast-pipe 1,9 mm in diameter. 5 m connection tube with air-stick-connections
- Order-no. 15101 **Tube and stick connections**
Connection tube 5 m complete (including stick-connections)

Components and spare parts on request!



For prices, scan the
QR code and enter
the order-no.

Glaze spray booth, jet stream mixer / pump | 63

The **KITTEC® SB-1** spray booth enables a dust-free work environment in the workshop when spraying glazes or ceramic paints.

The booths have a fully enclosed working area which is only open at the front. An under-pressure is generated in the booth via a suction fan so that fine glaze or paint particles cannot escape from the spray booth. The KITTEC®-SB-1 spray booth is ideal for smaller workshops and designed as a **convection model**. The sucked-in air is then filtered and returned to the room after cleaning. The robust and durable metal filter has several filter inserts offset to one another. At the rear, the cleaned air is returned to the workshop. To clean the galvanised metal filter, it is simply pulled out of its guide, then cleaned under running water. The KITTEC®-SB-1 spray booth can be placed on a table or can be used on the **supplied chassis**. It is made of solid steel and is delivered ready for connection.

Internal measurements (w x d x h)	610 x 460 x 610 mm
External measurements (W x D x H)	650 x 760 x 1500 mm
Absorbency	2450 m³/h
Voltage	230 V
Weight	60 kg

Order-no. 15045

Spare parts / accessories for SB 1:
Order-no. 15047 substitute filter

Delivery is only possible
by a **carrier!** 

Substitute filter for Spray booth 255/255a:

Order-no. 15350



KITTEC®

Order-no. 20822 YSTRAL - Jet-mixer X50

Glazes, engobes and casting compounds can be prepared quickly and absolutely homogeneously with the YSTRAL jet mixer.

The mixer works with a stationary stator ring and a rotor rotating within the stator. The suction generated in this way forces every single particle of the substance to be processed into the jet chamber between the rotor and stator. The concentrated jet is propelled to the bottom of the container, where it whirls up all the particles that have been added or deposited. The vertical mixing principle reliably prevents the formation of a tumble and the associated air intake. The mixer can be used in almost any container.

The YSTRAL design (**no seal and bearings in the immersion area**) guarantees a long lifetime of the machine. They have proven their worth in the ceramics industry for decades. The **V4A steel** design allows easy cleaning by immersion in water or hosing down.

Speed	1500/3000 UpM (rpm)	Price, incl. motor switch and square ring handle and 3 spacer bars
Motor (two-position)	230/400 V	
Plug	CEE 16A	
Power	0,37/1,5 kW	
Immersion depth	550 mm	
Weight (approx.)	25 kg	Freight forwarding 

Further technical information as well as accessories (alterable speed, connection device, elongation of the machine and **bigger machines**) on request.



devices which keep
the distance to the
container bottom



Order-no. 20550 Mass- and glaze-pump TS II

This pump is especially suited for the improvement of abrasive media such as glaze, engobe and casting slip. It is an above-flood top-pump. The sucking in is done from the centre below. The pump is built with three feet so that it can easily be placed into the container (i. e. container no. 210). All parts which come into contact with the medium are rustproof steel. The tube with the caster (approx. 3 m to max. 5 m) can be attached on the tube-socket of the standpipe. With the caster the amount of outlet can be regulated during the filling of the casting-mold. Power of the pump: 1,1 kW - 3 x 400 V

Freight forwarding 

Accessories

- Order-no. 20580 **Plastic caster**
- Order-no. 20570 Connection-tube of transparent PVC (per meter)





Order-no.

15800 Shelf carriage

The shelf-carriage is used to store and transport ceramic half-ready pieces. The carry-tubes can be inserted on different heights. Carryshelves of 1500x300 mm can be used. The construction of the shelf-carriage is of square tubes. The solid tires can be adjusted in two different ways:

- Normal position
2 caster wheels at both corners of the handle
2 stable/unmoveable wheels on the diametrical corners
- Middle-axis (the carriage can be turned round on the spot) one wheel under each beam in front and in the back 2 stable wheels in the middle (see illustration)

The shelf carriage is delivered in disassembled parts including ten carry tubes.

Length without steering-handle	1000 mm
Breadth approx.	700 mm
Height approx.	1500 mm
Length of the carry-tubes approx.	600 mm
Distance between the holes for the carry-tubes approx.	150 mm

Order-no.

15200 Settling tank TA 85

The ROHDE TA 85 – environmentally conscious, flexible in use, easy to clean. Thanks to its ability to connect to almost any drain, the TA 85 is extremely flexible and can be installed under sinks and washbasins. It comes complete with a siphon and inlet connection. A tight-fitting cover is included as standard.

Technical data:

Ext. dimensions (WxDxH)	375 x 575 x 525 mm
Weight	11 kg
Fill volume	70 l
Internal volume	85 l
Inlet height	525 mm
Siphon height	350 mm

Scope of delivery:

Basin made of durable and robust polypropylene homopolymer with removable divider.
Powdercoated steel base frame with sturdy swivel castors with locking function. Tight-fitting cover.
Flexible drain pipe. Easy-to-install siphon with various connections.



Order-no. 15795

KITTEC RS tabletop slab roller

Designed for use in environments with limited space. Thanks to its extra large working dimensions, the KITTEC RS is suitable for many purposes. When the work is done, it is quickly and easily disassembled and stored in a space-saving manner. The sophisticated mechanics of the KITTEC RS tabletop slab-roller make it easy to shape clay into perfect plates. Two counter-rotating, galvanized cylinders roll the clay into slabs with consistent properties. Slab thickness is easily and precisely adjusted by turning a single, centrally installed crank handle. The integrated scale with millimetre precision guarantees exact and reproducible slab thicknesses.



Technical data:

W x D x H	900 x 590 (770 incl. handle) x 330 mm
Minimum size of the installation area	590 x 950 mm
Usable area	900 x 500 mm
Possible plate thickness	0 - 60 mm
Cylinder width	500 mm

15796 **Spare cloth** for this machine



For prices, scan the
QR code and enter
the order-no.

The slab-roller helps to roll the clay into regularly thick slabs. The clay is put in between the cloth which is part of the delivery. Thus, the clay does not stick to the roller or the work-plate. For

further processing the cloth is taken away and the desired forms can be cut out of the clay-slab.

Order-no.

15810 Slab roller

The distance between the higher press-roll and the work-plate can be adjusted between 0 to 10 cm according to the desired thickness of the clay. The press-roll is driven by manual power with the help of a turnstile. Via sprocket-wheels and chains the work-plate with the clay draws itself along under the roll. The work-plate runs on two wheels which absorb the counter-pressure. To change the clay-layer the work-plate can be completely taken off the roll-frame.

Standing area		550 x 600 mm
Outer measurements (l x w x h)	900 x 600 x 270 mm	
Work-plate (l x w)	900 x 500 mm	
Useful area (l x w)	800 x 450 mm	
Press-roll (l x Ø)	450 x 70 mm	



Freight forwarding

15130 Spare cloth for this machine



15792 Slab roller

The KITTEC RM-1 slab-roller is conceived for many years use in workshop and industrial operation. The rack and pinion propulsion inter-links smoothly and twitch-free during the power transmission. Via a single adjusting wheel in the centre the height can be set conveniently, continuously variable and precisely, using the measuring scale to achieve the best results. With just a few steps best results can be achieved. The KITTEC RM-1 slab roller can be used both free-standing and also as a table-top model.

Properties and special features:

- Continuously variable height adjustment using a central spindle, operated conveniently and centrally.
- Precision measuring scale for setting with millimetre accuracy. One turn – one measure.
- 8-way rolling device control with high-quality, encapsulated ball bearings – exact control of the carriage with no jamming.
- Large handwheel with maximum grip for easy operation – no slipping, you have the clay under control.
- Rolling device with rack and pinion propulsion, precise control – robust, durable and exact.
- Galvanised roller with large diameter – minimal amount of force during rolling procedure.
- Table top made from moisture-resistant Multiplex – always the best, absolutely flat slabs.
- Robust linen cloth, easy to change and well secured. A clean affair.
- Solid table frame with removable feet. No bending! Can also be used as table-top model.



Freight forwarding

Technical data:

Measurements (LxWxH)	1160 x 850 mm x 1300 mm
Usable area (LxW)	800 x 675 mm
Possible plate thickness	0 – 90 mm
Weight	approx. 70 kg

CE labelling
36 months warranty

15793 Spare cloth for this machine





The **pugmill NRA series** (extruders) are remarkable because of their compact construction and noiselessness. All types are equipped with double-spirals. This increases the mixing-effect and makes the filling in of the clay easier. The case of the machines is out of rustless Aluminium-case-hardening (in the case of pugmill NRA 04S of high-grade steel).
For cleaning purposes all extruders can easily be taken off. They are delivered including safety equipment and wheel-table.

Pugmills are an important help when preparing masses. They homogenize and stabilize the masses to a cord. However, pugmills can not extrude superfluous water from the masses.

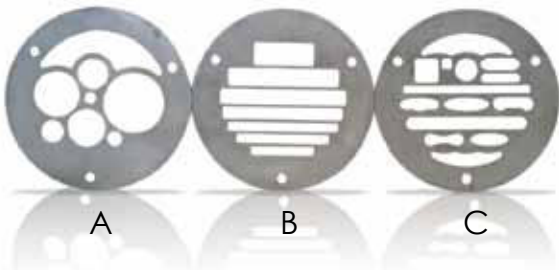


Model Order-no.	Freight forwarding	NRA 04 20100	NRA 04S 20110
Main motor		200 W, 50 Hz	200 W, 50 Hz
Connection		230 V, 1-phased	230 V, 1-phased
* Power		400 kg/h	400 kg/h
Ø of the mouth-piece (mm)		90	90
Size of the filler-hole (mm)		135 x 133	135 x 133
Measurements l x w x h (mm) (including supporttable or wheel-table)		1025 x 335 x 560	1025 x 335 x 560
Material of the double-spiral		high-grade steel	high-grade steel
Material of the case		aluminium cast	high-grade steel
Weight (net/wrapped-in)		65 kg / 75 kg	75 kg / 85 kg

* The dates for the power given in the catalogue are theoretical dates.
In practice half the power can be achieved.

Patterns made of stainless steel. Fits to the **NRA, NVS or NVA** models of Shimpo. Delivered with matching screws and Allen wrench.

- Order-no. 20095 Pattern A
- Order-no. 20096 Pattern B
- Order-no. 20097 Pattern C





For prices, scan the
QR code and enter
the order-no.

Vacuum pugmill / Vacuum mixer | 67

The **vacuum pugmill NVA 04S** has the same function as the pugmill but is additionally equipped with a vacuum-cabin in which the masses can be exhausted. Working with exhausted masses has advantages when throwing and handbuilding.

The Shimpo vacuum pugmill is remarkable because of its compact construction and noiselessness. The machine is equipped with double spirals. This increases the mixing-effect and makes the filling-in of the clay easier.

With the **vacuum mixer NVS 07a** dry as well as wet clay can be mixed. Additionally, clay can be evacuated.



Nidec
NIDEC-SHIMPO CORPORATION



NVA 04S
* oilfree *



NVS 07a

Both machines are **also suitable for porcelain masses** since all parts which come into contact with the mass are made of rustfree high-grade steel!

For cleaning purposes all extruders can easily be taken off. All machines are delivered **including safety equipment and wheel-table** for the clay-cord..

Model Order-no.	Freight forwarding 	NVA 04S 20090	NVS 07a 20121
Main motor		400 W, 50 Hz	750 W, 50 Hz
Motor of the vacuum pump		250 W, 50 Hz	250 W, 50 Hz
Connection		230 V, 1-phased	230 V, 1-phased
* Power		200 kg/h	150-300 kg/h
Ø of the mouth-piece		90 mm	90 mm
Size of the filler-hole (mm)		135 x 133	290 x 210
Measurements l x w x h (mm)		1320 ¹⁾ x 420 x 750	1200 ²⁾ x 420 x 890
Material of the double spiral		high-grade steel	high-grade steel
Material of the case		high-grade steel	high-grade steel
Weight (net/wrapped-in)		140 kg / 190 kg	140 kg

¹⁾ incl. supporttable or roller table

²⁾ incl. base plate

* The dates for the power given in the catalogue are theoretical dates. In practice half the power can be achieved.

supplies

Order-no. 14650 **Vacuum-Oil**



← Tischmodell
RK-5TF
with foot-pedal or

Shimpo **RK-5T** or **RK-5TF** is very suitable for hobby or classroom needs as well as for decoration works. Ideal also as demonstration model for potters' markets. Two detachable wheel-heads made of plastic and a splash-pan in one piece are part of the delivery.

RK-5T

with hand-handle →



RK-55



Shimpo **RK 55** has a large storage surface and a flexible foot-pedal. Customers from the hobby or school sector will like its good tractive powers.



Whisper-T

Shimpo **Whisper T** was especially developed for the hobby and school sector. It is adjustable in height and can be used also as table-top potter's wheel or banding-wheel since the legs can be detached.

RK-3D



Shimpo **RK 3D** fascinates because of its silent running and its high tractive power. It has a brushless direct drive motor (direct current) which has a high torque at all speeds. Combined with a "high-tech" positive feedback controller the motor will maintain the chosen speed under all load conditions, even under downward pressure. No annoying noise or vibration is felt since there are no belts, gears or drive components. This guarantees an extremely smooth running when throwing a piece. The motor is the only internal building part in a closed rugged metal case. Switching the wheel on or off can be done very precisely. The wheel-head made of aluminum has a diameter of 300 mm. The wheel-head turns freely in the off position of the motor which allows it to be used as banding wheel. The inbuilt motor safety switch protects the machine against overstrain.



RK-3E

Height adjustable! Maximum working height (height of the wheel head) 580 mm.

Shimpo **RK 3E** has a wheel-head with 350 mm diameter. The smooth-running and flexible foot pedal allows a comfortable and easy variation of speed. Because of the detachable legs it can also be used as table-top wheel. Also RK 3E can be used as banding wheel if the motor is switched off!



Für Preise QR-Code
scannen und Best.-Nr.
eingeben

Technical data and prices

* Freight forwarding

Order-no.	Model	Motor	Speed* steplessly variable	Measurements (l x w x h) mm	Wheel- head mm	Ship- weight
20382	RK 5 T	100 W, 230 V	0 - 230 (rpm)	510 x 365 x 230	250 Ø	14 kg
20383	RK 5 TF	100 W, 230 V	0 - 230 (rpm)	510 x 365 x 230	250 Ø	14 kg
20381*	RK 55	100 W, 230 V	0 - 250 (rpm)	730 x 560 x 550	300 Ø	38 kg
20380*	Whisper T	300 W, 230 V	0 - 250 (rpm)	750 x 572 x 580	300 Ø	45 kg
20370*	RK 3 E	400 W, 230 V	0 - 250 (rpm)	702 x 590 x 580	350 Ø	55 kg
20350*	RK 3 D	400 W, 230 V	0 - 250 (rpm)	582 x 525 x 515	300 Ø	53 kg

*optionally with or against the clock

Splash pans

Order-no.

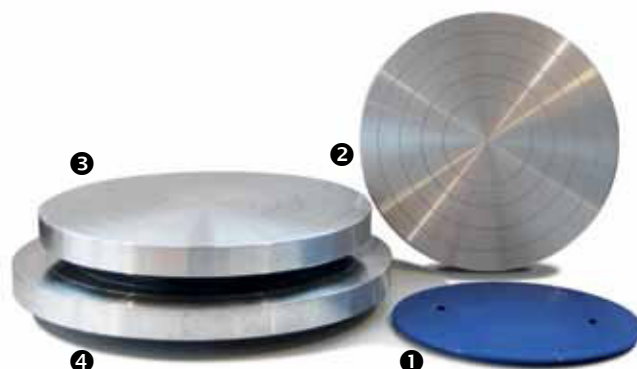
- ❶ 20005 suitable for RK-55, RK-3E, Whisper-T
- ❷ 20002 suitable for RK-3D
- ❸ 20007 suitable for RK-5T und RK-5TF



Aluminum casted wheel head without bolt

Order-no.

- ❶ 20006 for **RK-5T/TF** (made of plastic)
- ❷ 15180 **300 mm Ø** without bolt
suitable for **RK-55, Whisper-T** und **RK-3D**
- ❸ 20004 **350 mm Ø** without bolt
suitable for **RK-3E**
- ❹ 15190 **400 mm Ø** without bolt
Can be used on our Shimpo Potter's Wheels without
splash pan (except RK 5T or TF)



Order-no. 14155

Apron

with split legs, one breast pocket and two side pockets.
The strap is adjustable. One size fits all. 100% cotton.



Order-no. 20391 **Potter's stool**

Light and nevertheless solid type with easy-to-clean (washable) plastic seat. Adjustable in height from 48 to 66 cm sitting height (load capacity up to 140 kg).





Wheel head (with bolts) and MDF board

The wheel-head is equipped with two bolts that fit into the two holes in the MDF plate. The MDF plate can be lifted off the wheel-head with the turned objects. This prevents large pieces from becoming deformed when lifted. Available in 2 versions: 350 mm Ø or 300 mm Ø.



Order-no.

Variant 1 → 350 mm Ø suitable for RK-3E

- 15095 **Set** wheel-head with MDF plate „A“
- 15093 **MDF plate** „A“ single

Variant 2 → 300 mm Ø suitable for RK 55, Whisper-T and RK-3D

- 15160 **Set** wheel-head with MDF plate
- 15172 **MDF plate** single

from our previous system:

- 15090 **WODDEN plate** „B“ single
350 mm Ø
→ **Holedistance 300 mm**



Order-no. 15020

Removable disk system (Bat-System) **Set** from mm thick MDF (1 item each ①-⑥)



- Supporting plate
- Adapter
- Insertion plate

Spare parts / individual parts

- ① 15021 Supporting plate 300 Ø
hole distance 255 mm
- ② 15022 Adapter 200 to 100 mm
- ③ 15023 Adapter 200 to 150 mm
- ④ 15024 Insertion plate 100 x 100 mm
- ⑤ 15025 Insertion plate 150 x 150 mm
- ⑥ 15026 Insertion plate 200 x 200 mm



For prices, scan the
QR code and enter
the order-no.

Jar mill, milling jars, grinding balls | 71

The jar mills are the driving machines for the mill pots. These are used in laboratories and industry for wet and dry milling of hard materials, frits, stones, glazes and enamel. The mill pots are laid on to the gummed rollers. Thus, mill pots in various sizes can be used without

having to adjust the machine. By varying the length of the milling-time each desired fineness can be achieved.

Order-no. price including motor safety-switch

20420 Mini jar mill

Superstructure steel-frame
Length x breadth x height 460 x 410 x 280 mm
Wave-length (useable) 300 mm
Engine power 0,37 kW
Voltage 230 V
Mill pots which can be used 1 to 5 L
Weight approx. 19 kg

- Moving force via cone belt

The delivery is without power cable and without mill pot.

Order-no.

20400 Jar mill

Superstructure steel-construction
Length x breadth x height 940 x 530 x 390 mm
Wave-length (useable) 720 mm**
Engine power 0,37 kW
Voltage 230 V
Mill pots which can be used 1,5 to 10 L
Weight approx. 52 kg

- Moving force via cone belt

* including on-/off-switch, cable and plug
(without mill pot and filling with balls)

** Can also be delivered with a usable wavelength of 1000 mm for a surplus.



Freight forwarding!



Mill pots: GSK/...

Freight forwarding!

Hardporcelain mill pots

Order-no. type complete content* outer-Ø mm height mm price without balls

Filling with balls

Order-no.

Glazed inside and outside (except top and bottom of the vessel)

26150	Bloch-Rosetti	0,3 L	135	95	26160
26600	GSK/0	1 L	135	175	26020
26610	GSK/0a	1,5 L	150	215	26040
26620	GSK/0b	3 L	200	240	26060
26630	GSK/1	5 L	225	285	26080
26640**	GSK/1x	10 L	285	335	26100

Glazed outside (inside unglazed):

26700	224/0	1,3 L	150	230	26010
26701	224/1	4,0 L	250	250	26011
26702	224/2	6,0 L	250	290	26012

* The useable content of the pots is half of the complete content.
(i. e.: 5 L mill = 2,5 L grist)

** Freight forwarding!



Bloch-Rosetti



Milling balls of aluminum oxid

serve as milling bodies in drum-mills and hard-porcelain mill pots. The heavy balls of Al_2O_3 contain an aluminum-oxid proportion of approx. 92%. The specific weight is approx. 3,65g/cm³. The Mohs' hardness is 9. Larger amounts on request.

Order-no.	ball Ø	ball weight	Graduated prices for purchases of 1 kg, 10 kg, and 25 kg
26210	20 mm	15 g	
26510	30 mm	50 g	
26520	40 mm	119 g	
26530	50 mm	233 g	
26540	60 mm	402 g	

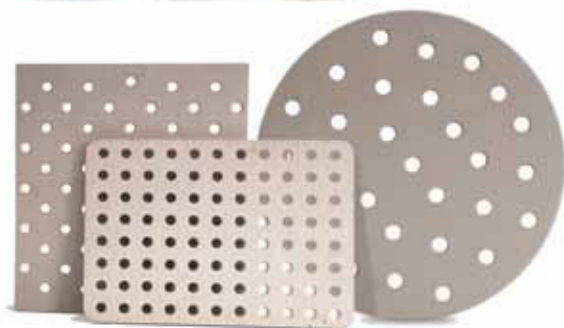




We will send you our
leaflet for the
handling of new
kiln plates upon
request!



Ofenplatten aus Cordierit



Kiln plates for burning temperatures up to 1300°C

Order-no.

Angular

21831	600 x 500 x 20 mm
21011	590 x 450 x 20 mm
21021	490 x 440 x 17 mm
21031	490 x 350 x 17 mm
21041	400 x 390 x 15 mm
21051	370 x 340 x 15 mm
21061	370 x 270 x 14 mm

→

→ Freight forwarding

→

Round

21101	Ø 310 mm, 10 mm
21111	Ø 350 mm, 10 mm
21161	Ø 380 mm, 10 mm
21121	Ø 420 mm, 12 mm
21131	Ø 470 mm, 15 mm
21151	Ø 520 mm, 18 mm
21141	Ø 550 mm, 18 mm

→

→ Freight forwarding

→

Punched (delivery is only possible by a carrier)

21891	590 x 520 x 17 mm
21861	490 x 440 x 17 mm
21881	490 x 350 x 17 mm
21895	Ø 550 mm, 18 mm

→

→ Freight forwarding

→

21190 **Cut** to desired size

Batwash for kiln plates for burning temperatures up to 1340°C

Order-no.

21220

Protects your plates! (for example
against glaze run-off)



Props for burning temperatures up to 1300°C

Order-no.	No.	Height mm	Volume discounts for orders of 20 or more items
21300	1/ 300	300	
21330	1/ 200	200	
21340	1/ 150	150	
21350	1/ 100	100	
21360	1/ 50	50	
21320	1/ 25	25	

Order-no.	No.	Height mm	Volume discounts for orders of 20 or more items
21513	60/300	300	
21512	60/200	200	
21511	60/100	100	
21510	60/ 50	50	
21514	60/ 25	25	

wall thickness approx. 5 mm
Ø 40 mm



wall thickness approx. 15 mm
Ø 60 mm



Kiln props for burning temperatures up to 1280°C

Order-no.	name	Ø mm	Height mm	Volume discounts of 100 pieces
21250	45/45 (mit Falz)	45	40	
21260	45/20 (ohne Falz)	45	20	

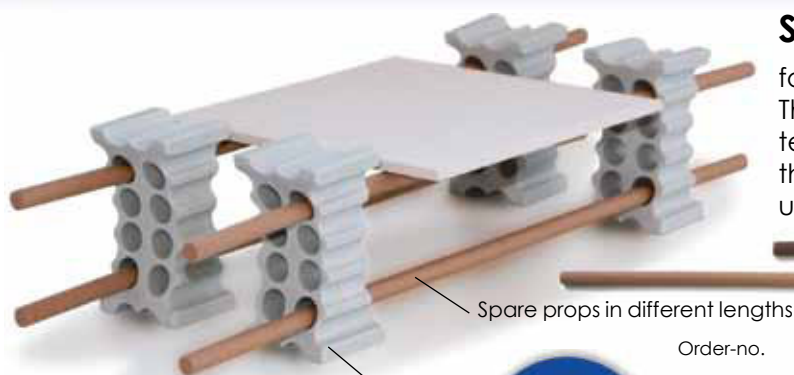


For prices, scan the
QR code and enter
the order no.

Spar props – spar supports

for burning temperatures up to **1150°C**

The endurance of the saving props depends on the temperature, the burning time and the distribution of the load. This means that it has to be tried out every use.



Spar supports

Spare props in different lengths

Order-no.

Dimensions

Spar props

21900

275/8 mm

21910

370/8 mm

Spar supports

21940

76 x 37 x 40 mm

Only while
stocks
last!



Tile crank for burning temperatures up to **1250°C**

Suitable for tiles of 15x15 cm (not included)

Order-no. Dimension cm (l x w x h)

21540 15 x 18 x 20

Freight forwarding

Tiles on
page 33

U-capsules for the burning of plates up to **1280°C**

Order-no. 21200 Outer measurements: 272 x 230 x 42 mm
Rest: 250 x 230 mm
Max. thickness of plate: 22 mm
Interspace: 32 mm

Quantity prices
from 20 items

Freight forwarding



Single purchase.
No set!



Single purchase.
No set!

Plate support for burning temperatures up to **1280°C**

These supports have a full rest for the food of the piece to be burnt. A distortion of the pieces at high burning temperatures is thus avoided.

Freight forwarding

Order-no.	No.	Max. Ø of the piece to be burnt	Max. Ø of the foot of the piece	Clear height	Quantity prices from 20 items
21460	845/30	210 mm	160 mm	30 mm	
21470	846/45	230 mm	180 mm	45 mm	
21490	847/45	270 mm	200 mm	45 mm	
21480	848/45	300 mm	235 mm	45 mm	
21590	849/40	350 mm	270 mm	40 mm	

Tripods for burning temperatures up to **1280°C**

Order-no.	No.	Distance Height (approx.) mm	Box-content approx. pieces
21601	01	25 9	5.000
21611	02	35 10	3.500
21621	03	50 13	1.500
21631	04	55 15	1.350
21671	05	60 20	1.000
21641	06	75 25	440
21651	07	87 35	350

21661 **Assortment of tripods** consisting of
approx. 50 pieces 01-05 mixed





Three-cornered ledges for burning temperatures up to **1280°C**
Minimum purchase-amount: 100 pieces per sort

Order-no.	name	Length mm	Height mm
21700	50/10	50	10
21710	39/7	39	7
21720	32/5	32	5

Made of heat resistant material for temperatures up to max. 1250°C
The endurance of this kiln furniture depends on the one hand on the burning temperature, on the other hand heavily also on the weight of the pieces to be burnt. We recommend to try out every use.

Single prop 16 mm in diameter, with 9 mm high disengagement, 1 mm thick

Order-no.		From 100 pcs.
27460	ES 16	20 % discount



Mini three-cornered prop, height approx. 6 mm, 1 mm thick

Order-no.		Distance of tips	From 100 pcs.
27450	MD 20	20 mm	20 % discount

Metal tripods (heavy sort)

Order-no.		Leg-length mm	From 10 pcs. per sort
27620	MD 25	25 mm	20 % discount
27630	MD 35	35 mm	20 % discount
27650	MD 50	50 mm	20 % discount
27670	MD 75	75 mm	20 % discount



Assortment of metal tripods

Order-no. Consisting of: From 10 assortments

27682	Set 11 - 11 metal tripods 5 x 25 5 x 35 1 x 50 mm	20 % discount
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27680	Set 14 - 14 metal tripods 4 x 25 4 x 35 4 x 50 2 x 65 mm	20 % discount
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27690	Set 32 - 14 metal tripods 8 x 25 4 x 35 3 x 50 2 x 65 mm 10 mini three-cornered props and 5 single props	20 % discount
-------	--	----------------------



Set 11



Set 14



Set 32

Tripod heavy sort
Strength of peak approx. 5 mm, plate approx. 2 mm
Ideal for high temperatures and Raku. Glazed objects have only 3 small points of contact with the glaze!

Order-no.	Name	Distance	Height	From 10 pcs.
27615	50/25	50 mm	23 mm	20 % discount
27618	80/25	80 mm	23 mm	20 % discount





For prices, scan the
QR code and enter
the order no.

The endurance of this kiln furniture depends on the one hand on the burning temperature, on the other hand also heavily on the weight of the pieces to be burnt. We recommend to try out every use.

Order-no. Name Dimensions

Manifold racks including 5 bars (3 mm Ø). Made of heat-resistant metall for temperatures up to **1250°C**

27360 **MSK 130** h 135 x l 155 x d 80 mm

27350 **MSK 95** h 110 x l 155 x d 60 mm

Bars (single)

Made of heat-resistant metal for temperatures up to **1250°C**

27520 **BS 2** l 200 mm, Ø 2 mm

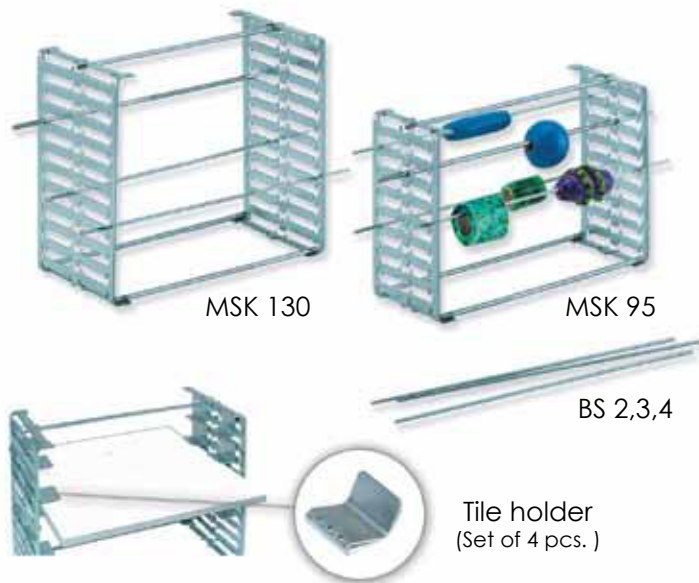
27530 **BS 3** l 200 mm, Ø 3 mm

27540 **BS 4** l 250 mm, Ø 4 mm

Tile Holder (set of 4) to hook into the manifold rack

MSK 130 (supplied without MSK 130)

27361 **KH 4** 20 x 14 x 20 mm



Bell-rack with 3 tops (4 mm in diameter)

Made of heat-resistant metal for temperatures up to **1250°C**

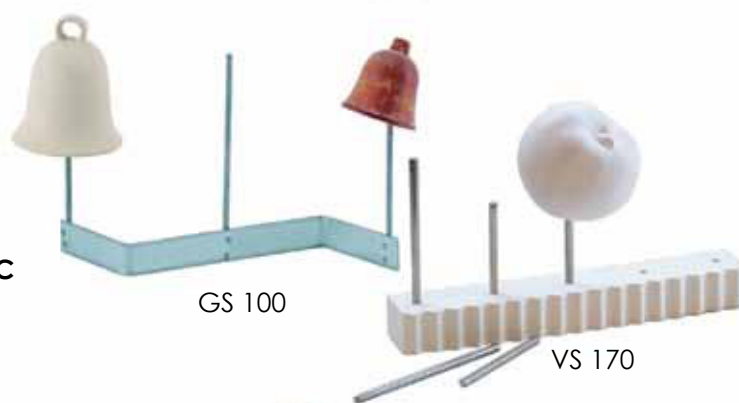
27100 **GS 100** l 170 x h 100 mm

Vario rack

Made of cordierit and Ker60 for temperatures up to **1300°C**

27376 **VS 170**

shaped brick 170x25x15 mm,
with 5 holes and two bars each (4 mm in diameter):
60, 80, 100 mm high

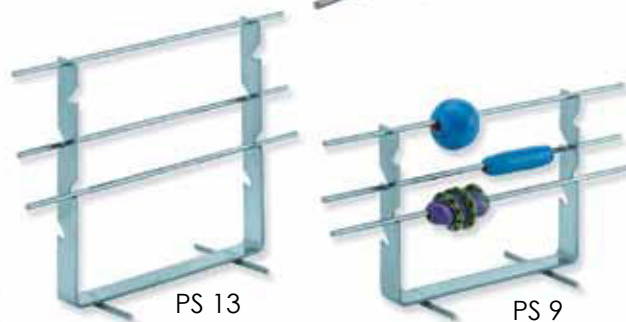


Pearl rack incl. 3 burning wires

Made of heat-resistant metal for temperatures up to **1250°C**

27330 **PS 13** l 140 x h 130 mm (Ø wire 3 mm)

27290 **PS 9** l 120 x h 90 mm (Ø wire 2 mm)



27295 **Center bar** suitable for **PS 13**
prevents sagging of the bars



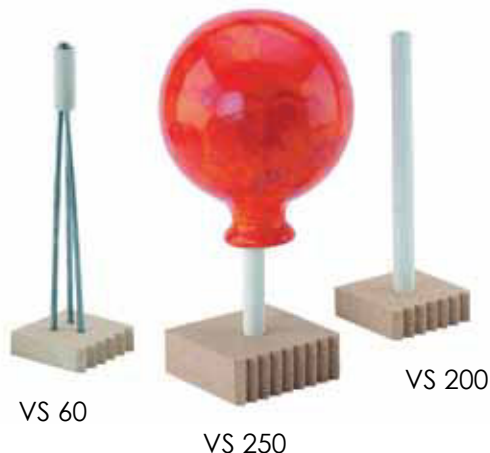
Vario rack

Made of cordierit and Ker60 for temperatures up to **1300°C**

27375 **VS 60** H 200 mm (Ø rods 3 mm)

27371 **VS 250** H 250 mm (Ø pipe 15 mm)

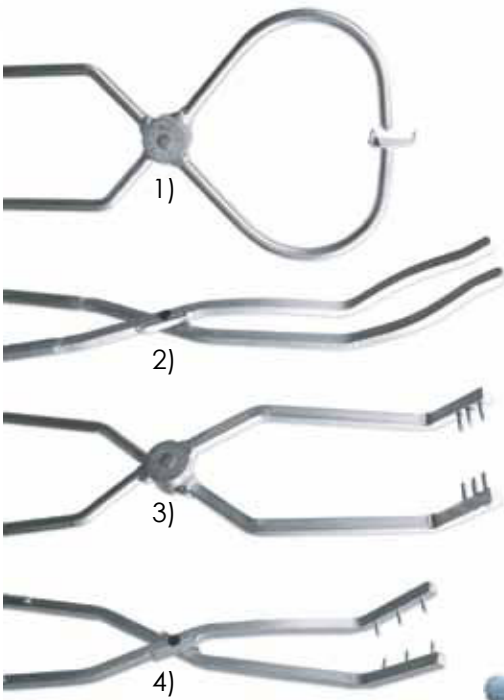
27370 **VS 200** H 200 mm (Ø pipe 15 mm)



Mass discount



Purchasing 10 pcs. of a sort **20% off**
Bars: 20 pcs. of a sort



Order-no.		Total length (approx.)
1) 19530	Rakutongs RZ 4 made of steel	77 cm
2) 19510	Rakutongs light version	100 cm
3) 19540	Rakutongs RZ 6 made of steel with teeth	85 cm
4) 19520	Rakutongs light version with teeth	80 cm
19060	Heat-protection finger-gloves heat-resistant up to 200°C	35 cm
19061	Gloves Sebatan-leather (lined) heat-resistant up to 180°C (contact-heat)	35 cm
19080	Gloves Raku-mittens	42 cm



Accessories

Order-no. 19198

Raku burner (30 kW) including all fittings to gas bottle
(adjustable pressure reducer, manometer, hose
breakage protection, 2 m hose, ignition safety device)

See illustrations on the right:

Order-no. 19816 + 19890

Digital pyrometer with sheathed thermocouple
NiCr-Ni 160 mm long **up to 1150°C** with closed
connection head and 2 m compensating cable

Order-no. 19095 + 19110 + 19850 + 19112

Digital pyrometer with thermocouple PtRh-Pt 160 mm
long **up to 1340°C** with closed connection head,
2 m compensating cable and plug



Raku burner
30kW

Raku kilns
on request!



Self-made material

- 21550 **Feuerleichtsteine** (insulation fire-bricks, 2nd choice*)
Measures approx. 228 x 114 x 76 mm, heat-resistant up to 1320°C
- 21560 **Fasermatte (Fibre-mat)** (does not need to be marked)
heat-resistant up to 1200°C. Measures: 61 cm broad,
25 mm thick
Minimum purchase-amount: 1 meter
Complete roll: (7,3 m long)

* Discolouration, chipping, cracks and possible



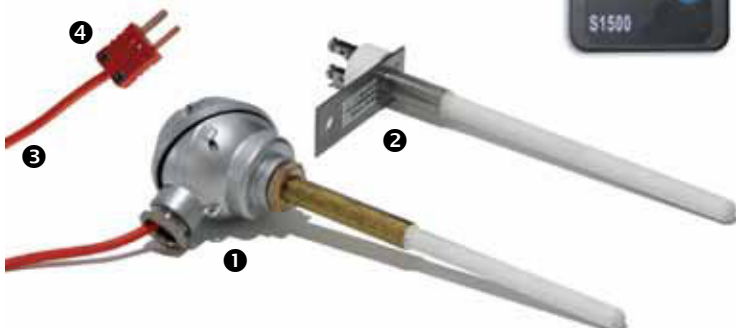
For prices, scan the
QR code and enter
the order-no.

Digital pyrometer S 1500 (PtRh-Pt)

can be used for any type of **S-type** temperature sensor. The temperature can be measured in Celsius or Fahrenheit. Display range **-50 to 1600°C**. To operate a 9V battery is required (included in delivery).

Supplied with storage bag.

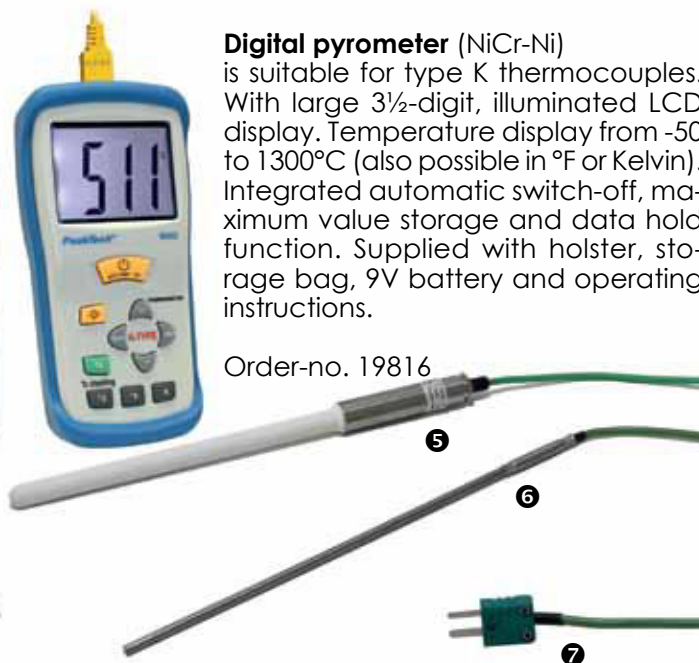
Order-no.19095



Digital pyrometer (NiCr-Ni)

is suitable for type K thermocouples. With large 3½-digit, illuminated LCD display. Temperature display from -50 to 1300°C (also possible in °F or Kelvin). Integrated automatic switch-off, maximum value storage and data hold function. Supplied with holster, storage bag, 9V battery and operating instructions.

Order-no. 19816



Thermocouples PtRh-Pt Type S up to 1340°C

(Delivery without balance cable and without plug)

length	with head Order-no.	with connecting clip Order-no.
140 mm	19840	19120
160 mm	19850	19130
200 mm	19860	19150
250 mm	19870	19140
300 mm	19880	19160

19110 **Balance cable** (per meter)

19112 **Plug Type S/R**

Thermocouples NiCr-Ni Type K up to 1200°C

(Delivery incl. 2 m balance cable, without plug)

Order-no.

19820 **160 mm** long

19830 **300 mm** long

19114 **Plug Type K**

Sheath thermocouple NiCr-Ni Type K up to 1150°C

Only suitable for Raku - not for electric furnaces

(Delivery incl. 2 m balance cable and plug)

19890 **160 mm** long

Thermocouples with other lengths or for different ranges of temperature on request

Order-no. Accessories for kilns

19170 **Exhaust air wire** – flexible spiral-pipe made of two layers of aluminum, temperature-stable up to 200°C, inner-diameter: 90 mm, outer-diameter: 97 mm

19180 **Band-clip**, rustfree, clamp-range: 60-115mm

19050 **Supporting-tube** Ø 15 x 600 mm long

19051 **Supporting-tube** Ø 20 x 700 mm long

19052 **Supporting-tube** Ø 25 x 600 mm long

Cut to desired length

14272 **Heating wire** 3,0 mm Ø max. 1340°C

14274 **Heating wire** 2,5 mm Ø max. 1340°C

14250 **Heating wire** 2,0 mm Ø max. 1340°C

14260 **Heating-wire** 1,5 mm Ø max. 1340°C

14270 **Heating wire** 1,0 mm Ø max. 1340°C

14276 **Heating wire** 0,5 mm Ø max. 1340°C

Can also be used to burn pearls. If 10 m of one sort are purchased: **10% discount**.
Larger amounts and different diameter on request.

19040 **Cramp** 40 x 6 mm opening

19041 **Cramp** 60 x 6 mm opening

19045 **Overhead-line cramp** 2,5 - 16 mm²



→ **Repairing mass** on page 37.



Arts & Crafts
Nabertherm



Top 60



Top 100



Top 220

Toploader up to 1320 °C

Discover the fascinating world of Nabertherm top loaders – they combine appealing design, easy handling and an unbeatable price-performance ratio. For you this means not only excellent firing results, but also the perfect support for your creative passion and projects in the workshop. We are sure you know the feeling of opening your kiln after firing and admiring the results of your work with excitement. Our top loaders will not let you down. The particularly easy-to-use controller reliably regulates your firing programs. Our top loaders are not simply kilns, they are a reliable partner for your everyday pottery work and support you in realizing your creative ideas.

Insulation

Our top loaders are equipped with energyefficient refractory insulation inside the chamber and microporous rear insulation that allows you to reach a top temperature of 1320 °C with minimum energy consumption.

- Three layers of high-quality 15 mm microporous rear insulation for top loaders up to 60 liters to ensure that you reach your firing temperature reliably
- Two layers of high-quality 20 mm microporous rear insulation for top loaders from 80 liters for a well-balanced ratio between energy-saving heating and shorter cooling times for the kiln
- **Automatic lid lock upon opening for additional safety**

Controller

- Controller with touch operation AC590 incl. cone firing assistant, controls description see page 83

Treat yourself to something special for your hand-crafted works of art!

Toploader up to 1320°C

Order-no.	Model	Innerdimens. mm			Volume L	Outerdimens. mm			Weight kg	Power kW	Voltage	Power consump.	Conneting plug
		w	d	h		W	D	H					
90305	Top 45	Ø	410	340	45	600	890	790	66	3,6	230 V 1/N	15,7 A	Schuko
90307	Top 45/L	Ø	410	340	45	600	890	790	66	2,9	230 V 1/N	12,6 A	Schuko
19650	Top 60	Ø	410	450	60	600	890	910	74	3,6	230 V 1/N	15,6 A	Schuko
90315	Top 80	Ø	480	450	80	660	960	910	88	5,5	400 V 3/N	13,8 A	CEE 16 A
19700	Top 100	Ø	480	570	100	660	960	1030	97	7,0	400 V 3/N	10,1 A	CEE 16 A
90317	Top 130	Ø	590	450	130	780	1080	930	115	9,0	400 V 3/N	13,0 A	CEE 16 A
90319	Top 140	Ø	550	570	140	750	1040	1050	117	9,0	400 V 3/N	13,0 A	CEE 16 A
90321	Top 160	Ø	590	570	160	780	1080	1050	122	9,0	400 V 3/N	13,0 A	CEE 16 A
19710	Top 190	Ø	590	680	190	780	1080	1160	135	11,0	400 V 3/N	15,9 A	CEE 16 A
90325	Top 220	930	590	450	220	1120	1050	950	154	15,0	400 V 3/N	21,7 A	CEE 32 A



For prices, scan the
QR code and enter
the order no.

Arts & Crafts
Nabertherm



Top 16/R as tabletop model

Toploader up to 1320°C
with increased
connected load

Top 190/R



Floor heating available for all top loaders with
a capacity of 80 litres or more at an additional
cost.

Already included with the Top 220!

Many models

→ available **from stock!**

Toploader up to 1320 °C
with increased connected load

With their increased connected load and specially
designed heating elements, our kilns in the Top .. R
range are ideal for frequent use at high temperatures
up to 1290 °C. They therefore represent an attractively
priced alternative to our chamber kilns that meets pro-
fessional requirements.

The increased connected load enables the kilns to
heat up much faster. Regardless whether for biscuit fir-
ing, earthenware, overglaze firing, softpaste porcelain

or stoneware – our Top .. R kilns are designed ideally to
meet your creative needs. The compact tabletop mo-
del Top 16/R even offers the option of perfecting glaze
or sample specimens on a laboratory scale. Alterna-
tively, for permanent professional use, we recommend
our chamber kilns with five side heating.

Let your art shine in a new dimension!

Toploader up to 1320°C

Order- no.	Model	Innerdims. mm		Volume L	Outerdims. mm			Weight kg	Power kW	Voltage	Power- consump.	Connecting plug
		Ø	h		W	D	H					
90300	Top 16 /R	290	225	16	490	740	555	40	2,6	230 V 1/N	11,3 A	Schuko
90309	Top 45 /R	410	340	45	600	890	790	66	5,5	400 V 3/N	13,8 A	CEE 16 A
19720	Top 60 /R	410	450	60	600	890	900	74	5,5	400 V 3/N	13,8 A	CEE 16 A
90316	Top 80 /R	480	450	80	660	960	910	88	7,0	400 V 3/N	16,0 A	CEE 16 A
19705	Top 100 /R	480	570	100	660	960	1030	97	9,0	400 V 3/N	13,0 A	CEE 16 A
90320	Top 140 /R	550	570	140	750	1040	1050	117	11,0	400 V 3/N	15,9 A	CEE 16 A
19715	Top 190 /R	590	680	190	780	1080	1160	135	13,5	400 V 3/N	20,0 A	CEE 32 A



Arts & Crafts
Naberttherm

NE 280



NE 40
as tabletop model



- Infinitely adjustable fresh-air inlet
- Scope of delivery includes an option for connecting an exhaust air pipe (80 mm diameter)
- Low noise electronic relays Controller
- Controller with touch operation AC590 incl. cone firing assistant, controls description see page 83

Art that's fun!

Chamber kilns
heated from three sides

Are you looking for a very special kiln for use in a public institution or for your hobby? In this case, our kilns in the NE product line with heating elements in grooved bricks on three sides and an unbeatable price performance ratio are the perfect choice for you. This kiln range is based on the durable design of our professional chamber kilns in combination with the product benefits of our NE product line.

If you want to use the kiln intensively and regularly pack it tightly, we recommend our chamber kilns with heating from five sides. A controlled air inlet flap is included with the standard delivery. After the drying phase in the heating program, the flap closes semi-automatically at a chosen temperature without you having to do anything.

Standard equipment

- Heating elements protected in grooves
- Heating from three sides (both sides and floor)
- Three ceramic shelves and lower shelf to protect the bottom insulation and for safe stacking of the furniture
- Base frame included in the scope of delivery
- Controller
- Controller with touch operation AC590 incl. cone firing assistant, controls description see page 83

Experience intuitive technology that makes your work much easier!

Chamber kilns
heated from two sides

Are you looking for a kiln that you can load from the front via a large door and that also has an outstanding price-performance ratio? In this case, the NE product line from 40 to 100 liters is the perfect choice for your ceramics. The heating elements are protected in grooved bricks to ensure that they are not damaged when you load the kiln. With its appealing design, this kiln product line is the perfect choice to meet your needs. These versatile chamber kilns are ideal for ceramics but can also be used for glass or porcelain painting or simple fusing work. Most of our models are in stock and can be delivered immediately. The infinitely adjustable fresh-air opening in the door and the exhaust air opening in the roof not only optimize ventilation of the kiln chamber, they also speed up cooling so that you can touch and be fascinated by your unique works of art sooner.

Chamber kilns NE 70 with base as additional equipment Chamber kiln NE 40 as a tabletop model

Standard equipment

- Heating elements protected in grooves
- Heating from both sides
- Designed as a tabletop model, base available as an accessory

Order-no.	Model	Innerdimens. mm			Volume L	Outerdimens. mm			Weight kg	Power kW	Voltage	Power consump.	Conneting Plug
		w	d	h		W	D	H*					
Chamber kilns up to 1300°C (heated from 2 sides)													
90370	NE 40	350	330	350	40	640	800	600	96	2,9	230 V 1/N	12,6 A	Schuko
90372	NE 40 /R	350	330	350	40	640	800	600	95	5,5	400 V 3/N	13,8 A	CEE 16 A
90375	NE 70	400	380	450	70	690	850	700	120	3,6	230 V 1/N	15,7 A	Schuko
90377	NE 70 /R	400	380	450	70	690	850	700	120	5,5	400 V 3/N	13,8 A	CEE 16 A
90380	NE 100	460	440	500	100	750	910	750	150	7,0	400 V 3/N	10,1 A	CEE 16 A
additional charge base for N 40 E - N 100 E													
Chamber kilns up to 1300°C (heated from 3 sides) incl. base													
90390	NE 140 ¹⁾	450 ²⁾	580	570 ³⁾	140	720	1130	1440	280	9,0	400 V 3/N	13,0 A	CEE 16 A
90395	NE 210 ¹⁾	500 ²⁾	580	700 ³⁾	210	770	1130	1570	320	11,0	400 V 3/N	15,9 A	CEE 16 A
90400	NE 280 ¹⁾	520 ²⁾	580	890 ³⁾	280	790	1130	1760	400	15,0	400 V 3/N	21,7 A	CEE 32 A

* Base included.

¹⁾ These kilns are ideal for operating temperatures of approx. 900 - 1300°C. For permanently high firing temperatures above 1230°C, we recommend Model N 100 - N 660/H (page 81).

²⁾ Collar width reduced by 50 mm

³⁾ Collar height reduced by 110 mm



For prices, scan the
QR code and enter
the order no.

Chamber Kilns up to 1300 °C heated from five sides

Welcome to the world of professional firing. With their high-quality workmanship, attractive design, long service life and excellent temperature uniformity, our kilns in the N range set new standards. Our chamber kilns from 100 to 660 liters, heated from five sides, have a maximum firing temperature of 1300 °C and are the creative companion for arts and crafts professionals. These chamber kilns have proven their worth for many years, firing stoneware, porcelain and glass, even when tightly stacked and at high working temperatures. No matter whether you are working in your ceramic workshop, a studio, a hospital, a school or in the private sphere – our chamber kilns will meet your needs. They are a reliable partner even if you pack your kiln tightly and fire it frequently, guaranteeing excellent temperature uniformity.

Standard equipment

- Heating elements on support tubes ensure free heat radiation
- Heating from five sides and a special arrangement of the heating elements ensure excellent temperature uniformity
- SiC shelves to protect the floor heating and provide a level setting surface
- Frame
- Door cover made from structured stainless steel
- Semi-motorized air inlet flap that closes automatically after the drying phase in the heating program for chamber kilns up to 300 liters
- Motor-driven exhaust air flap in the middle of the kiln roof for optimum ventilation of the kiln chamber for chamber kilns from 440 liters

Controller

- Controller with touch operation AC590 incl. cone firing assistant, controls description see page 83

Our chamber kilns are more than just kilns – they represent inspiration and passion for your unique projects!



N 200

Arts & Crafts
Nabertherm



N 440

Chamber kilns up to 1340 °C heated from five sides

Our chamber kilns in the N .. H range have a maximum firing temperature of 1340 °C. The kilns combine the product benefits of the N range but the insulation and heating elements are designed especially for firing at higher temperatures. They are especially robust and are the ideal partner for professional ceramists. This kiln range is particularly durable and is guaranteed to serve you reliably and safely for many years. The excellent temperature uniformity is achieved with five side heating elements on support tubes.

Standard equipment

- Like Chamber kilns heated on five sides (see left column)

Controller

- As in the left column

The attractive design makes a professional chamber kiln an eye-catcher in your workshop!

Order-no. Modell		Innerdimens. mm			Volume			Outerdimens. mm			Weight	Power	Voltage	Power	Conneting
		w	d	h	L			W	D	H	kg	kW		consump.	Plug
Chamber kilns up to 1300°C (heated from 2 sides)															
19680	N 100	400	530	460	100			710	1130	1440	280	9,0	400 V 3/N	13,0 A	CEE 16 A
19610	N 150	450	530	590	150			760	1130	1570	320	11,0	400 V 3/N	15,9 A	CEE 16 A
19730	N 200	470	530	780	200			790	1130	1760	380	15,0	400 V 3/N	21,7 A	CEE 32 A
90430	N 300	550	700	780	300			870	1300	1760	450	20,0	400 V 3/N	28,9 A	CEE 32 A
90435	N 440	600	750	1000	450			1000	1400	1830	820	30,0	400 V 3/N	43,4 A	termination
90440	N 660	600	1100	1000	660			1000	1750	1830	950	40,0	400 V 3/N	57,7 A	termination
Chamber kilns up to 1340°C (heated from 2 sides)															
90450	N 100/H	400	530	460	100			760	1150	1440	325	11,0	400 V 3/N	15,9 A	CEE 16 A
90453	N 150/H	430	530	620	150			790	1150	1600	380	15,0	400 V 3/N	21,7 A	CEE 32 A
90457	N 200/H	500	530	720	200			860	1150	1700	430	20,0	400 V 3/N	28,9 A	CEE 32 A
90460	N 300/H	550	700	780	300			910	1320	1760	550	27,0	400 V 3/N	39,0 A	termination
90463	N 440/H	600	750	1000	450			1000	1400	1830	880	40,0	400 V 3/N	57,7 A	termination
90465	N 660/H	600	1100	1000	660			1000	1750	1830	1080	52,0	400 V 3/N	75,1 A	termination

* Height including base without socket-connection for the Bypass.



Arts & Crafts
Naberttherm



up to NW 300 / 300 H
with pull-out drawer



from NW 440 / 440 H
with pull-out
trolley

Drawer and shuttle kilns up to 1300 °C
heated from five sides

Immerse yourself in the fascinating world of our chamber kilns in the NW range – a combination of tried and tested quality and innovative technology. With these kilns, you not only fire to 1300 °C, you create art. Do you prefer to load your kiln conveniently and ergonomically? In this case, the NW product line is the ideal choice for your ceramics. With an easy-to-use drawer mechanism in the models up to 300 liters, the floor can be easily pulled out of the kiln. This considerably simplifies loading from three sides outside the kiln and helps protect your back and prevent back pain. The models from 440 liters have a bogie that can be loaded effortlessly outside the kiln. Developed for ceramic workshops, studios, hospitals and schools, this product line is recommended as a trusted companion for everyday use. Most of our chamber kilns are available immediately and larger models can usually be delivered within a short time.

Standard equipment

- Like chamber kilns, heated from five sides, see page 81
- Ergonomic, effortless loading from three sides

Controller

- Controller with touch operation AC590 incl. cone firing assistant, controls description see page 83

Drawer and shuttle kilns up to 1340 °C
heated from five sides

You like to load your kiln effortlessly and ergonomically and fire frequently to just above 1300 °C? In this case, we recommend our chamber kilns with a drawer or removable bogie up to 1340 °C.

These kilns have all the product benefits of the NW product line as well as more robust insulation and stronger heating elements that are designed for firing at higher temperatures. The high electrical rating also allows the kilns to heat up much faster. This combination of technical properties gives the kiln range the power to fire your works of art to 1340 °C.

Standard equipment

- Like chamber kilns, heated from five sides, see page 81
- Ergonomic, effortless loading from three sides
- Controller with touch operation AC590 incl. cone firing assistant, controls description see page 83

Discover how effortless and inspiring
can be welcome to your personal creative
oasis!

You can look forward to a reliable
and safe firing experience!

Order-no. Model	Innerdimens. mm			Volume L	Outerdimens. mm			Weight kg	Power kW	Voltage	Power consump.	Conneting Plug
	w	d	h		W	D	H*					

Kammeröfen mit Schubladenauszug bis 1300°C (5-seitig beheizt)

90470	NW 150	430	530	620	150	790	1150	1600	420	11,0	400 V 3/N	15,9 A	CEE 16A
90472	NW 200	500	530	720	200	860	1150	1700	490	15,0	400 V 3/N	21,7 A	CEE 32A
90474	NW 300	550	700	780	300	930	1320	1760	590	20,0	400 V 3/N	28,9 A	CEE 32A
90476	NW 440	600	750	1000	450	1000	1400	1830	850	30,0	400 V 3/N	43,5 A	termination
90478	NW 660	600	1100	1000	660	1000	1750	1830	1180	40,0	400 V 3/N	58,0 A	termination

Kammeröfen mit Schubladenauszug bis 1340°C (5-seitig beheizt)

90480	NW 150/H	430	530	620	150	810	1150	1600	520	15,0	400 V 3/N	21,7 A	CEE 32A
90482	NW 200/H	500	530	720	200	880	1150	1700	590	20,0	400 V 3/N	28,9 A	CEE 32A
90484	NW 300/H	550	700	780	300	930	1320	1760	670	27,0	400 V 3/N	39,1 A	termination
90486	NW 440/H	600	750	1000	450	1070	1410	1830	940	40,0	400 V 3/N	58,0 A	termination
90488	NW 660/H	600	1100	1000	660	1070	1750	1830	1310	57,0	400 V 3/N	82,5 A	termination



For prices, scan the
QR code and enter
the order no.

The controller series 500 impresses with its unique scope of performance and intuitive operation. In combination with the free "MyNabertherm" smartphone app, monitoring your furnace is even easier and more powerful than ever before. The operation and programming takes place via a high-contrast, large touch panel, which shows exactly the information that is relevant at the moment.

Standard equipment

- Transparent, graphical display of temperature curves
- Clear presentation of firing data
- 24 operating languages selectable
- Consistent, attractive design
- Easily understandable symbols for many functions
- Precise and accurate temperature control
- User levels
- Program status display with estimated end time and date
- Cone firing assistant „Conny“ for easy start of your program
- Up to 50 programs with each 40 segments
- Documentation of firing curves on USB storage medium in .csv file format
- Service information can be read out via a USB stick
- Clear presentation
- Plain text display
- Can be configured for all furnace families
- Can be parameterized for different firings
- "Solar Mode" to utilize electricity from photovoltaic systems with and without a battery
- Delayed start possible

Functions of standard controller AC590

Number of programs	50
Segments	40
Extra functions (e.g. fan or automatic flaps) max.	6
Maximum number of control zones	1
Drive of manual zone control	•
Self-optimization	•
Real-time clock	•
Graphic color display	•
Graphical display of temperature curves (program sequence)	•
Status messages in clear text	•
Data entry via touchpanel	•
Entering program names (e.g. "glaze firing")	•
Keypad lock	•
User levels	•
Skip-button for segment jump	•
Program entry in steps of 1 °C or 1 min.	•
Start time configurable (e.g. to use night power rates)	•
Switch-over °C/°F	•
kWh meter	•
Operating hour counter	•
Set point output	•
NTLog Basic for Nabertherm Controller:	•
Recording of firing data with a USB flash drive	•
Malfunction memory	•
Number of selectable languages	24
Wi-Fi-capability ("MyNabertherm" app)	•
Solar mode	•

- Standard



Installation service

On request, all kilns in Germany can be delivered free to the place of use, including kiln installation and controller instruction. The quoted price depends on the kiln type and the respective conditions on site.

Please contact us!





Advantages of all Pyrotec kilns:

- temperature measurement with thermo couple Type S PtRh-Pt
- quality lightweight refractory brick lining
- rear insulation SUPERWOOL
- powder coated base
- stainless steel case
- heating elements are ambedded in grooves
- control via plug connected to furnace
- lid opening more than 90°
- kiln can be locked
- lid safety switch which automatically shuts down power
- protected against over-heating via 2nd relay

Because of their great reliability and their excellent price-performance-relation Pyrotec kilns have been successfully used for more than 20 years in shops, schools and for hobby-purposes. The solid quality of Pyrotec kilns guarantees best burning results maintenance-free for years. The heating-spirals with little surface-stress are embedded in refractory bricks and take care of an even distribution of the temperature within the kiln. Of course, all models are manufactured according to the latest safety-standards (CE-sign). Very light and high-quality isolation material in the rust-free high-grade steel container allow low electric connection dates and guarantee a low power-demand. All models can be used with the controller described on page 84.

Further types of kilns on request.

The factory **warranty** for all models is **3 years** (excluding heating-spirals and thermo-elements).



Model series **STUDIO**

These models are mainly used for the stoneware area (glaze-burning up to 1150°C).

An easier isolation fitted to the usage allows an even better price-performance-relation.

Regarding the safety and reliability these kilns do not leave anything wished for.

Order-no.	Model	Max. temp. °C	Volume L	Innerdimens. (mm)		Outerdimens. (mm)			Weight kg	Power kW	Voltage	Safety amp./ switch	
				Ø	h	W	D	H					
19550	ST 52 H	1200	52	430	340	590	740	760	45	3,6	230 V	16	Schuko
19580	ST 52 HD	1260	52	430	340	590	740	760	45	4,5	400 V /2N	2 x16	CEE16
19390	ST 68 H	1100	70	430	460	590	740	870	55	3,6	230 V	16	Schuko
19560	ST 68 HD	1260	70	430	460	590	740	870	55	5,7	400 V /3N	3 x16	CEE16
19565	ST 85 HD	1260	85	480	460	640	780	870	65	5,7	400 V /3N	3 x16	CEE 16
90050	ST 103 HD	1260	105	480	570	640	780	980	75	7,2	400 V /3N	3 x16	CEE 16



For prices, scan the
QR code and enter
the order no.

Model series PROFITHERM

With this series we turn to the professionals: pottery, schools and other public institutions which expect a robust, easy-to-use kiln. The solid lid suspension allows with their gas struts an easy opening of the lid, a stable handrail makes the loading of the furnace easier and at the same time it protects the furnace wall.



PY 12 H
tabletop model



PY 30 H - 60 HD



PY 56 H - 236 HD

Order-no.	Model	Temp. max °C	Volume L	Innerdimens. mm			Outerdimens mm			Weight kg	Power kW	Voltage	Safety amp./ switch
				w	d Ø	h	W	D	H				
19420	PY 12 H	1300	12	230	230	230	380	540	560	25	2,4	230 V	16 Schuko
19320	PY 30 H	1320	30		400	230	570	730	650	35	3,6	230 V	16 Schuko
19330	PY 45 H	1300	45		400	340	570	730	760	45	3,6	230 V	16 Schuko
19335	PY 45 HD	1320	45		400	340	570	730	760	45	4,5	400 V /2N	2x16 CEE 16
19500	PY 56 H	1200	57		460	340	640	780	760	55	3,6	230 V	16 Schuko
19570	PY 56 HD	1320	57		460	340	640	780	760	55	4,5	400 V /2N	2x16 CEE 16
19340	PY 60 H	1200	62		400	460	590	740	870	55	3,6	230 V	16 Schuko
19350	PY 60 HD	1320	62		400	460	590	740	870	55	5,7	400 V /3N	3x16 CEE 16
19430	PY 75 H	1200	75		460	460	640	780	870	65	3,6	230 V	16 Schuko
19440	PY 75 HD	1320	75		460	460	640	780	870	65	5,7	400 V /3N	3x16 CEE 16
19460	PY 95 HD	1320	95		460	570	640	780	980	75	7,2	400 V /3N	3x16 CEE 16
19470	PY 110 HD	1320	110		500	570	680	820	980	85	7,2	400 V /3N	3x16 CEE 16
19480	PY 135 HD	1320	135		550	570	720	870	980	95	9,6	400 V /3N	3x20 CEE 32
19490	PY 163 HD	1320	163		550	690	720	870	1050	100	10,5	400 V /3N	3x20 CEE 32
90120	PY 195 HD	1320	195		600	690	780	910	1050	115	13,3	400 V /3N	3x25 CEE 32



Standard with swing lid, gas pressure springs and rails



Order-no.	Model	Max temp °C	Volume L	Innerdimens. mm			Outerdimens. mm			Weight kg	Power kW	Voltage	Safety amp./ Switch
				w	dØ	h	W	D	H				

With swing lid

The solid lid mounting and the comfortable rail are designed not only for professional use. A sturdy stand, powder coated, makes loading safe and comfortable.

90140	PY 80 HS	1320	75	460	460	750	770	840	65	5,7	400 V /3N	3x16 CEE 16
19345	PY 100 HS	1320	95	460	570	750	870	950	75	7,2	400 V /3N	3x16 CEE 16
90142	PY 115 HS	1320	110	500	570	780	890	950	85	7,2	400 V /3N	3x16 CEE 16
90146	PY 140 HS	1320	135	550	570	820	940	940	95	9,6	400 V /3N	3x20 CEE 32
19400	PY 170 HS	1320	170	660	500	930	1080	950	100	9,6	400 V /3N	3x20 CEE 32
19410	PY 210 HS	1320	210	660	620	930	1080	1080	120	11,0	400 V /3N	3x20 CEE 32
19450	PY 255 HS	1320	255	660	750	930	1080	1190	135	13,3	400 V /3N	3x25 CEE 32
90170	PY 290 HS	1320	290	730	690	1010	1120	1130	160	15,6	400 V /3N	3x25 CEE 32

OVAL Toploader

are designed for use in workshops where a rugged, reliable and easy-to-use kiln is expected. The solid cover tabs allow easy opening of the lid, a stable handrail (only for PY 450 HS) makes the loading of the furnace easier and at the same time it protects the furnace wall.

90150	PY 138 HS	1320	142	730	510	460	1000	900	890	97	9,6	400 V /3N	3x20 CEE 32
90155	PY 172 HS	1320	172	730	510	570	1000	900	1000	115	9,6	400 V /3N	3x20 CEE 32

The **PY 1** microprocessor controller features the latest technology in terms of firing safety and accuracy. Due to the easy operation and the possibility to lock the keys, this control unit is especially recommended for the hobby and school sector.

Surplus charge:

- PY 1
- TC 75 Wifi
- TC 95 USB + Wifi

Description, see on page 90.
Further controller on request



- Range of control
- LED display (in steps of)
- Display of the segments
- Display of the firing curve
- Error messages
- Safety bolt
- Over-heating security
- Programs
- power failure protection

- 0-1320°C
- 1°C (4-digits)
- ✓
- ✓
- ✓
- ✓
- ✓
- 5 free



For prices, scan the
QR code and enter
the order no.

CB STUDIO-LINE

- Kilns ready to be connected with cable and plug
- Easy to handle control with over-heating protection
- Detailed manual
- Thermo-elements for temperature measurement are safely embedded
- Lid and body mortar-free, thus no contamination and no cracking
- High-quality microtherm-insulation for all CB Plus; two-zone insulation without ceramic fibres for all other models
- Optional: air-supply control handle on the floor
+ air-hole in the floor
+ drip pan
- **Frame colour: anthracite.** If demanded it can also be delivered in green, orange, red or silver
- **Factory warranty: 3 years** (excluding heating and thermo elements)



CB 130 S Plus

CB 50
(turnable frame high)

The kilns of the KITTEC CB Studio Line are manufactured only in small numbers and offer a very good price-performance relation. This series is the re-design of the very succesful CB series with which KITTEC started the toploader series as the first one in Europe in 1979.

The kilns leave the factory carefully calculated, mounted and checked – the auditor signs this in the final control with his seal.

Further kilns (also frontloader kilns) on request.

Order-no.	Model	Temp. max.°C	Innerdimens. mm Ø h	Volume L	Outerdimens. mm W D H	Weight kg	Power kW	Voltage	Power A	Plug
19205	CB 40	1320	400 305	38	650 730 620	65	3,6	230 V 1/N	16	Schuko
19206	CB 50	1280	400 380	47	650 730 700	70	3,6	230 V 1/N	16	Schuko
19207	CB 50 Plus	1320	400 380	47	650 730 740	75	3,6	230 V 1/N	16	Schuko
19208	CB 50 S	1320	400 380	47	650 730 700	70	4,7	400 V 2/N	2x12	CEE 16
19213	CB 60	1230	400 460	57	650 730 780	75	3,6	230 V 1/N	16	Schuko
19215	CB 60 Plus	1280	400 460	57	650 730 820	80	3,6	230 V 1/N	16	Schuko
19210	CB 66	1200	400 535	66	650 730 850	85	3,6	230 V 1/N	16	Schuko
19211	CB 66 Plus	1250	400 535	66	650 730 890	85	3,6	230 V 1/N	16	Schuko
19270	CB 66 S	1320	400 535	66	650 730 850	85	5,3	400 V 2/N	2x13	CEE 16
19251	CB 70 Plus	1230	430 460	68	690 770 820	90	3,6	230 V 1/N	16	Schuko
19250	CB 70 S	1320	430 460	68	690 770 780	80	5,6	400 V 2/N	2x12	CEE16
19252	Intermediate ring to extend the model CB 70 S					21	3,0	400 V 1/N	1x12	CEE16
19220	CB 100 S	1320	430 690	102	690 770 1010	100	8,6	400 V 3/N	3x13	CEE16
19202	CB 80 Plus	1200	510 380	79	770 850 740	100	3,6	230 V 1/N	16	Schuko
19200	CB 80 S	1320	510 380	79	770 850 700	90	5,6	400 V 2/N	2x13	CEE 16
19203	Intermediate ring to extend the model CB 80 S					24	3,4	400 V 1/N	1x12	CEE 16
19217	CB 95 S	1320	510 460	95	770 850 780	95	7,0	400 V 2/N	2x16	CEE 16
19960	CB 120 S	1320	510 610	127	770 850 930	115	9,0	400 V 3/N	3x15	CEE 16
19230	CB 130 S Plus	1320	590 460	127	850 930 820	120	7,2	400 V 2/N	2x16	CEE 16
19231	Intermediate ring to extend the model CB 130 S					26	3,8	400 V 1/N	1x16	CEE 16
19240	CB 190 S Plus	1320	590 690	190	850 930 1050	146	11,0	400 V 3/N	3x16	CEE 16



X PROFESSIONAL-LINE



■ Workmanship

- All exposed steel parts are made from stainless steel
- High-quality microporous background insulation Microtherm®
- Perfectly closing swinging lid system by means of unique pendulum mounting

■ Firing quality

- With bypass exhaust air system and air inlet slide valve for perfect firing control

■ Ergonomics

- Easy to load, ergonomic working height of 97 cm
- Extremely smooth single-hand-operated lid mechanism, allows safe opening and closing of the kiln through the X-handle – decentralised in the cold area
- The optimised balance of the lid prevents unwanted accidents

- The **factory warranty** for all models is 3 years (excluding heating-spirals and thermo-elements)

PROFESSIONAL-LINE X electric top-loader

In all 230 Volt and 400 Volt models the energy utilisation is very efficient thanks to our design.

Specially designed Kanthal heating coils, high-quality lightweight refractory bricks and the innovative multi-layer premium insulation make a maximum operating temperature of 1,320 °C possible depending on the model. Because of the round design, the heat-emitting kiln surface is minimised. While all of the bright components reflect the heat, the heat is led away in a targeted way

via the dark rear wall. The controllable supply air duct in the base is used to improve the atmosphere in the kiln. The advantage of the 400 Volt 3-phase current models is that the overall firing time can be reduced thanks to shorter heat-up phases.

Optionally available with an additional heating in the lid! The circuit of this lid heater is not only a selector switch for „lid heating off“ or „side heating on“, but a stepless switch with which you can set the ratio of lid to side heating in percent yourself. It doesn't get any more convenient than this when it comes to firing both ceramics and glass alternately, for example - **the ideal combination kiln!** We would be happy to submit an offer for this!



Order-no.	Model	Max temp.°C	Innerdimens. mm		Volume L	Outerdimens. mm			Weight kg	Power kW	Voltage	Power A	Plug
			Ø	h		W	D	H					
90610	X 45	1320	430	325	48	710	790	1050	85	3,6	230 V 1/N 16		Schuko
90612	X 45 S	1320	430	325	48	710	790	1050	85	4,4	400 V 2/N 2x10		CEE16
90614	X 55	1280	430	400	59	710	790	1050	85	3,6	230 V 1/N 16		Schuko
90616	X 55 S	1320	430	400	59	710	790	1050	85	4,4	400 V 2/N 2x10		CEE16
90618	X 65 S	1320	430	480	71	710	790	1050	95	5,6	400 V 2/N 2x12		CEE16
90620	X 75 S	1320	430	555	82	710	790	1050	100	5,6	400 V 2/N 2x12		CEE16
90622	X 100 S	1320	510	480	99	780	870	1050	105	6,8	400 V 3/N 3x10		CEE16
90624	X 135 S	1320	590	480	132	860	950	1050	120	8,2	400 V 3/N 3x12		CEE16
90626	X 170 S	1320	590	630	174	860	950	1050	130	11,0	400 V 3/N 3x16		CEE16
90628	X 195 S	1320	590	710	196	860	950	1050	145	11,0	400 V 3/N 3x16		CEE16
90630	X 215 S	1320	590	780	215	860	950	1050	155	11,0	400 V 3/N 3x16		CEE16
90632	X 240 S	1320	690	645	243	980	1090	1050	165	14,0	400 V 3/N 3x20		CEE32
90634	X 270 S	1320	690	710	268	980	1090	1050	170	15,0	400 V 3/N 3x22		CEE32

*incl. railing

**with closed lid



For prices, scan the
QR code and enter
the order no.

XT PROFESSIONAL-LINE



- Housing and frame completely made from stainless steel
- Pairs of legs with adjustable height (not with XT 1000)
- Stable SiC ceiling plate – no contamination from above
- Tested safety door switch - forcibly-disconnecting
- Easy to use controller with overtemperature protection
- Controllable supply air bottom slide incl. catch basin container
- Bypass exhaust air system on the side, therefore condensation waterproof
- Optimum heat distribution thanks to 5-sided heating
- SiC bottom cover for the heating elements with a maximum of thermal conductivity
- GS tested, CE certified as well as test seal for quality assurance

The KITTEC XT model series provides heating for the kiln on support bars. This has the advantage of allowing free radiation of the heating elements.

The XT front-loaders are heated with heating elements on silimantin support bars. The high-quality and complex processing with the support bars is the guarantee of a very long service life. Of course, the 5-sided all-round heating with optimum temperature distribution also provides consistently uniform firing results in these kilns. Best results in harsh everyday use in handicraft and industry are guaranteed over the long term. Not only are the side walls made from stainless steel, but also the



entire kiln housing, including the frame! Additional rear ventilation optimises the best insulation characteristics. The individually adjustable leg pairs are unique. You can choose how high you would like the loading edge of your kiln to be.

The factory **warranty** for all models is **3 years** (excluding heating-spirals and thermo-elements).

Order-no.	Model	Temp. max.°C	Innerdimens. mm			Volume L	Outerdimens. mm			Weight kg	Power kW	Power	Voltage A	Plug
			w	d	h		W	D	H*					
90650	XT 80	1320	380	440	480	80	720	940	1420-1780	215	8	400 V 3/N	3x12	CEE16
90652	XT 120	1320	400	500	600	120	740	1000	1420-1660	270	9	400 V 3/N	3x13	CEE16
90654	XT 160	1320	450	520	660	154	790	1020	1480-1720	305	11	400 V 3/N	3x16	CEE16
90656	XT 200	1320	450	660	660	196	790	1160	1480-1720	345	14	400 V 3/N	3x20	CEE32
90658	XT 270	1320	520	660	780	267	860	1160	1600-1840	400	18	400 V 3/N	3x26	CEE32
90660	XT 330	1320	580	720	780	325	920	1220	1600-1840	450	22	400 V 3/N	3x32	CEE32
90662	XT 450	1320	630	750	960	453	970	1250	1660-1780	510	33	400 V 3/N	3x48	CEE63
90662	XT 600	1320	700	900	960	605	1040	1400	1660-1780	610	42	400 V 3/N	3x61	CEE63
90666	XT 700	1320	700	980	1020	700	1040	1480	1720-1840	660	50	400 V 3/N	3x73	termination
90668	XT 1000	1320	900	1000	1140	1026	1240	1500	1860	860	65	400 V 3N	3x95	termination

*Height variably adjustable



The controllers control the heating process in the kiln safely and exact. The controllers described below are delivered **as standard with plugs according to the Kitec and Pyrotec norms.**

Other plugs or pin configurations on request. The kilns have to be equipped with a **thermo-element PtRH-Pt, Type S**. The controllers are userfriendly and have the CE-sign.

Price for **mating-socket** and **further controllers** on request.



TC 75
90712



TC 95
90732



TC 66
90720



TC 88
90730

Order-no.

Range of control

(depending on the thermocouple)

LED Display (in steps of)

Display of the segments

Display fire section

Error messages

Power consumption display

Overtemperature safety

Wifi

USB

Programs

Segments per Program

Lead time

0 - 1320°C

Complex LED

✓

✓

✓

✓

-

✓

✓

6

4

0 - 10 h

0 - 1320°C

2,8 TFT

✓

✓

✓

✓

✓

✓

✓

20

20

0 - 24 h

0 - 1320°C

1°C

✓

✓

✓

✓

-

✓

-

6 frei

2

0 - 10 h

0 - 1320°C

1°C

-

✓

✓

-

✓

-

-

19 frei

190 gesamt

0 - 10 h

Slim Elegance – The new Compact Series TC75 and TC95

The TC75 for ceramic applications and TC95 for fully flexible temperature profiles comes with an elegance not known yet in this class of kiln controllers. Featuring an intuitive human interface the controllers are highly simple operate. Both are SuperWise App ready - have them on your smartphone or tablet right after registration. No further hardware is needed, log them into your Wifi and you have access from everywhere.

COMPACT CONTROLLER TC75

Compact temperature controller for wall mounting matching all kinds of kilns and processes. Simultaneous reading of important process values, easy operation through intuitive, modern GUI.

- High-contrast LED display
- 6 programs with 4 segments each
- SuperWise App ready

COMPACT CONTROLLER TC95

TC95 provides all functionality of TC75 but on top an innovative graphic interface. For the first time and only from bentrup in this device class.

- High resolution 2.8" display
- 20 programs and 20 segments
- Temperature reading changes color for immediate recognition of deviation

Take advantage of the **bentrupSuperWiseapp** and connect your TC75 or TC95 to your smartphone, tablet, or PC.

SuperWise key features:

- Track the burning process via your smartphone, tablet, or PC
- Receive alerts/notifications
- Intervene in the firing process (start/pause/stop)
- Request a remote diagnosis (bentrup KilnAssist)

TC 66 is a modern compact controller for ceramics. All values of the typical ceramics firing curve (lead time, linear heat in two stages to the final temperature, holding, controlled cooling) are adjustable. Six programs can be customized to your needs; these are retained even after power off. High ease of use and reliability at an unbeatable price-performance ratio.

TC 88 Compact programme controller for applications requiring a fully flexible temperature curve (e.g. glass fusing). Multiple heating, dwelling and cooling segments. Default setting of 19 programmes with up to 10 segments (ramp > heating or cooling + hold time). Direct control features during the process.



For prices, scan the
QR code and enter
the order-no.

Temperature control in the kiln | 91

Order-no.	Cone	No.	Temp.*
24300	large	019	693°C
24310	large	018	732°C
24320	large	017	761°C
24330	large	016	794°C
24340	large	015	816°C
24350	large	014	836°C
24360	large	013	859°C
24370	large	012	880°C
24380	large	011	892°C
24400	large	09	928°C
24410	large	08	954°C
24420	large	07	985°C
24450	large	05	1046°C
24460	large	04	1070°C
24470	large	03	1101°C
24510	large	2	1162°C
24530	large	4	1181°C
24580	large	8	1269°C
24590	large	9	1278°C
24610	large	11	1312°C
24620	large	12	1326°C
24630	large	13	1346°C
24640	large	14	1366°C

Orton large (height approx. 63 mm)

amount per type

50 pcs. (original box)

less than 50 pcs. (partial-pallet)

Only while
stocks
last!

* Average time of falling down when the heat is increased
by 150°C/h. Tests in our laboratories have proven that the
falling-down points of Orton-Normalkegel are 20-35°C
lower (with a holding time of 30 mins).

Orton small ▶

(height approx. 30 mm)

amount per type

50 pcs. (original box)

less than 50 pcs. (partial-pallet)

Order-no.	Cone	No.	Temp.
25780	small	020	666°C
25790	small	019	723°C
25800	small	018	752°C
25810	small	017	784°C
25820	small	016	825°C
25830	small	015	843°C
25840	small	013	880°C
25850	small	012	900°C
25860	small	010	919°C
25880	small	08	983°C
25890	small	07	1008°C
25910	small	05,5	1043°C
25770	small	05	1062°C
25920	small	03	1131°C
25930	small	02	1148°C
25940	small	01	1178°C
25950	small	1	1184°C
25960	small	5	1221°C
25970	small	6	1255°C
25980	small	7	1264°C
25490	small	8	1300°C



Orton large

Orton small

For example for
kilns with kiln-sitter

PTCR rings (Process Temperature Control Rings)

are ceramic rings which allow a precise determination of the
internal temperature after the firing. They are placed directly
on the oven plate and shrink in proportion to the heat (this also
changes the colour of the ring). A single ring is enough for tem-
perature controll once the temperature control has been tested.

Dimensions of the rings (approx) 20 mm diameter, 7 mm high-

Packung á 15 Stück.

Order-no.	Typ	Colour	temperature range
25014	ATH	grauweiß	600 - 850°C
25015	UTH	gelb	660 - 900°C
25017	ETH	hellgrün	850 - 1100°C
25018	LTH	pink	970 - 1250°C
25019	STH	grün	1130 - 1340°C
25016	MTH	grauweiß	1340 - 1520°C



With a **digital caliper** (accuracy 0.01
mm) you can measure after the firing.
Based on a chart, the respective tem-
perature can be determined.



Order-no. 15950

Digital caliper
accuracy 0.01 mm



Order-no.	title (author)
-----------	----------------

- | | |
|-------|--|
| 32285 | 250 Tipps, Tricks & Techniken (J. Atkin) |
| 29044 | Dekorative Keramik (M. Krumbach) |
| 32277 | Die Kunst des Raku (J. Peiffer) |
| 32273 | Effektivvoll modellieren mit einfachen Techniken (G. Lantérie) |
| 32240 | Engoben (W. Matthes) |
| 32290 | Erlebniswerkstatt - Menschen-Tiere-Pflanzen (M. Krumbach) |
| 29130 | Expertenwissen Töpfern Häufige Fehler beim Töpfern erkennen und beheben (J. Atkin) |
| 29110 | Faszination Töpfern (T. Birks) |
| 29048 | Funktionelle Gebrauchskeramik - Techniken und nützliche Beispiele (J. Atkin) |
| 32052 | Gestalten mit Ton - Grundlagen & Projekte (P. Knebel) |
| 29080 | Grundkurs Modellieren (E. Bonvolat) |
| 32297 | Handbuch Keramik Die Techniken des Töpfern (Hooson/Quinn) |
| 29632 | Handbuch Paperclay Techniken - Ideen - Projekte (Tardio-Brise) |
| 29046 | Keramische Oberflächen - graphisch gestaltet und bedruckt (J.B. Burnett) |
| 32274 | Körperdetails modellieren Hände-Füße-Kopf (P. Chazot) |
| 32266 | Körper perfekt modellieren (P. & C. Faraut)
Band 1: Flächen und Konstruktionstechniken in Ton |
| 32267 | Körper perfekt modellieren (P. & C. Faraut)
Band 2: Körperhaltung und Faltenwurf in Ton |
| 32250 | Kopf und Gesicht (B. Hildre) |
| 32070 | Meine Welt in Ton (M. Kumbach) |
| 29011 | Melissas Keramik Werkstatt Geschirr & Deko im mediterranen Look auf der Scheibe töpfen (M. Dora) |
| 29143 | Natürlich Töpfern - Archischnecktur (R. Chinow) |
| 29140 | Natürlich Töpfern Insektenhotels, Nistkästen, Futterhäuschen (E.Post) |
| 29141 | Natürlich Töpfern - Eindruckformen (E.Post) |
| 29142 | Natürlich Töpfern - Rakuritäten - R.Chinow |
| 29145 | Natürlich Töpfern - Garten-Stelen - R.Chinow |
| 29144 | Natürlich Töpfern - Rakuritati di Mare - R.Chinow |
| 29012 | Oberflächengestaltung auf Keramik (M. Hatch) |
| 29043 | Oxidmalerei Eine praktische Methode mit mehr als 460 Rezepten für Keramiker und Laien (P. Pirard) |
| 32056 | Pinch Keramikobjekte von Hand formen (J. Atkin) |
| 32294 | Porträts in Ton Anatomie & Ausdruck (P. & C. Faraut) |
| 29920 | Porzellan Material, Gestaltung, Rezepte (J. Doherty) |
| 32268 | Tiere modellieren für Einsteiger (P. Chazot) |
| 29045 | Ton, Drucktechniken & mehr ... (Netty Janssens)
Reliefs, Hochdruck, Flachdruck & Transfer |
| 29650 | Töpfer-Handbuch Formen und Gefäße (N. French) |
| 29650 | Töpfern mit der Töpferscheibe (S. Borgbjerg, S. Liebe)
Techniken, Materialien, Projekte. |
| 29052 | Trendy Keramik KeramikTrends (L. Treder) |
| 32286 | Voll auf Ton (T. Weber) |
| 29010 | Weißkeramik Arbeiten mit weißbrennendem Ton (A.Massenkeil) |

Glaze preparation

The ratio of glaze to water depends on the glazing technique and the absorbency of the body, and varies from glaze to glaze. The glaze slip should have a **creamy consistency**.

Brush-on glaze

1 kg Glaze → approx. 550 - 700 ml water
approx. 200 g „Stammlösung“
(Order-no. 14117)

The „Stammlösung“ has proven itself to be the best way to achieve an optimal brush-on glaze. It contains glaze binder, thickening agents and preservatives. The improved flow properties prevent brush marks - no additional additives are necessary!



Dipping, pouring, spraying

1 kg Glaze → approx. 700 - 1.000 ml water
approx. 2 g Stellmittel
(Order-no. 14118)
approx. 2 g Glasurkleber CMC 300 G
(Order-no. 14100)

By adding 0.2% suspending agent (Stellmittel) settling can be prevented and the glaze remains in suspension.

In addition, it is advisable to add a glaze binder (e.g. approx. 0.2% CMC 300 G). When glazing raw shards a binder must always be used.



Influence of temperature and application thickness

As the temperature increases, the gloss usually increases as well; even matt glazes can become glossy. A very thin application results in a rather matt surface, while a thicker application intensifies colors and effects. However, a high temperature combined with a particularly heavy application can cause the glaze to run.

Glazes with Specks – Effect Glazes

These glazes should not be sieved or ground, as this would significantly reduce the effects.



Glazes with inclusion pigments

Glazes containing inclusion pigments must not be ground in a ball mill or drum mill, as in these color bodies the cadmium or selenium is enclosed within a zirconium silicate matrix (inclusion pigment). Grinding could break down this matrix and increase cadmium release (see page 12).

General Guidelines:

- Avoid generating dust. Wear a dust mask.
- Do not eat, drink, or smoke while working.
- Use with children only under supervision.
- Do not store in containers that come into contact with food.
- Wash hands thoroughly after glazing.
- Do not ingest glazes or allow them to come into contact with food.
- Ensure adequate ventilation during firing.



Note

Never heat the kiln at full load ("skip") as quickly as possible. This damages the heating elements and the kiln load.

Our recommendation for the bisque firing:

Heat up to 600°C at 80°C/h $\triangleq$ approx. 7,5 Std. heating time

Heat from 600–950°C at 100°C/h $\triangleq$ approx. 3,5 Std. heating time

followed by a 30-minute hold, then allow to cool uncontrolled.

Our recommendation for the glaze firing:

Heat up to 600°C at 120°C/h $\triangleq$ approx. 5,0 hours heating time

Heat from 600°C to the final temperature at a heating rate* of 140°C/h

followed by a 30-minute hold, then allow to cool uncontrolled.

* Adjust the heating time according to the target temperature at a heating rate of 140°C/h.

Instructions for use – kiln plates

To prevent glaze from sticking to kiln plates, a **batwash** (see page 72) should be applied to all plates beforehand. After application, the plates must be **thoroughly dried** before firing.

New kiln plates should be fired once in a bisque firing (900–950°C) without any ware (unloaded) before their first use.

In the kiln plates should be stacked on only **three support posts** (even with rectangular plates). More than three posts can create diagonal stress that may cause the shelf to crack. The kiln props should be stacked directly on top of one another in straight vertical columns.

Whenever possible, kiln plates should be transported upright, well packaged, and supported softly along their entire edge.

Causes of Damage

Plates breaking during one of the first firings can have many causes.

If the plates have a manufacturing defect, inclusions or warping can usually be identified at the fracture surfaces.

A common cause is transport damage or improper storage. In such cases, fine hairline cracks often form that are not visible and can only be detected by carefully tapping the plates (sound test):

– clear ringing sound: shelf intact

– dull sound: possible crack in that area

Incorrect placement of plates in the kiln is also a frequent cause of breakage.



The following mistakes may occur in particular:

- The plates are not sufficiently dried before loading
- Damp ceramic pieces are placed directly on the plate during bisque firing
- The spacing between plates is too small (minimum distance approx. 5 cm; for large plates approx. 8 cm)
- Large flat objects are placed directly on the plate
- The plates are positioned too close to the heating elements
- The kiln posts on different levels are not aligned exactly on top of one another
- The plates are supported by more than three kiln props

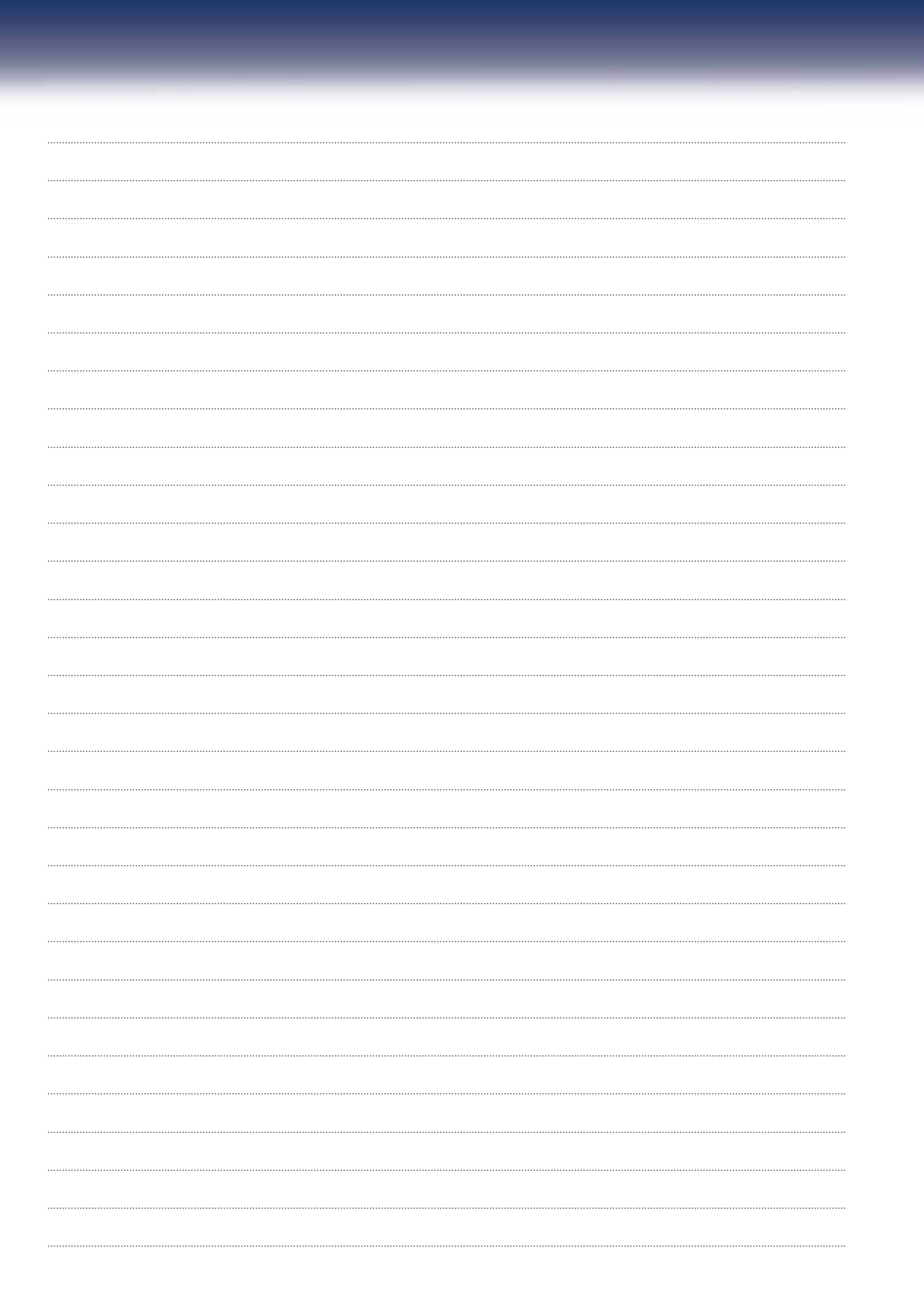
Application of batwash

The batwash is mixed with water to a creamy consistency (mixing ratio approx. 1:1).

This mixture is applied to one side of the kiln plate with a thick brush, similar to applying engobes. Before placing the plates in the kiln they must be completely dry.

The batwash ensures that glaze drips do not stick to the plate and can instead be removed together with the batwash layer.





1. Allgemeines

Durch Auftragserteilung werden unsere nachstehenden Lieferungs- und Zahlungsbedingungen, falls nicht anders vereinbart, Vertragsbestandteil und schließen Einkaufsbedingungen der Abnehmer aus.

Bei Verträgen mit **Unternehmen**, im Sinne des seit 01.01.2002 geltenden Schuldrechtes, müssen Änderungen dieser Bedingungen schriftlich vereinbart werden. Bei Verträgen mit **Verbrauchern**, im Sinne des seit 01.01.2002 geltenden Schuldrechtes, gelten die nachstehenden Bedingungen nicht, soweit sie den im neuen Schuldrecht zwingend vorgeschriebenen Bestimmungen widersprechen.

2. Angebot und Preise

Unsere Angebote sind freibleibend. Unsere Preislisten stehen unter dem Vorbehalt der Änderbarkeit. Proben und Muster gelten als Durchschnittsausfall. Abbildungen, Analysen, Angaben über Maße und Gewichte, Frachten usw. sind unverbindlich. Die Kosten für die Versandverpackung gehen zu Lasten des Käufers. Die Preise sind Nettopreise, d.h. die gesetzliche Mehrwertsteuer wird zusätzlich in Rechnung gestellt.

3. Lieferung und Lieferzeit

Der Versand geschieht auch bei frachtfreier Lieferung auf Gefahr des Käufers. Mangels Versandvorschriften wählen wir nach bestem Ermessen die günstigste Versandart. Die Lieferzeit beginnt nach Klarstellung aller Einzelheiten. Unvorhergesehene Ereignisse, die außerhalb unserer Einwirkungsmöglichkeiten liegen, verlängern die Lieferzeit angemessen. Entschädigungsansprüche können hieraus nicht hergeleitet werden.

4. Mängelrügen und Gewährleistung

Der Käufer hat zu prüfen, ob die gelieferte Ware von der vertraglich vereinbarten Qualität und für den vorgesehenen Einsatzzweck geeignet ist. Wird diese Prüfung unterlassen, nicht in dem gebotenen Umfang durchgeführt oder werden erkennbare Mängel, Falschliefereien oder Mengenabweichungen uns nicht unverzüglich, spätestens jedoch innerhalb von 14 Tagen nach Erhalt der Ware, angezeigt, so gilt die Ware als genehmigt. Nicht erkennbare Mängel gelten als genehmigt, wenn sie uns nicht unverzüglich nach ihrer Entdeckung, spätestens jedoch 6 Monate nach Auslieferung der Ware am Versandort, angezeigt werden. Beanstandungen sind schriftlich unter Angabe der Rechnungs- bzw. Lieferscheinnummer zu erheben. Beanstandete Ware darf nur mit unserem ausdrücklichen Einverständnis zurückgesandt werden.

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Ordnungsgemäß erhobene und begründete Mängelrügen werden wir durch Preisnachlass, Nachbesserung, Umtausch oder Rücknahme der Ware gegen Erstattung des Kaufpreises entsprechen. Für etwaige Mängelfolgeschäden haften wir nach folgenden Bestimmungen: Schadensersatzansprüche des Käufers wegen Lieferverzug oder Nichterfüllung sind auf den Wert der Warenmenge, die nicht oder nicht rechtzeitig geliefert wurde, beschränkt. Schadensersatzansprüche wegen positiver Vertragsverletzung oder unerlaubter Handlung werden ausgeschlossen. Dies gilt nicht, soweit wir für Personenschäden oder Schäden an privatgenutzten Sachen nach dem Produkthaftungsgesetz haften, sowie bei Vorsatz oder grober Fahrlässigkeit oder bei fahrlässiger Verletzung wesentlicher Vertragspflichten. Soweit hiernach unsere Haftung ausgeschlossen oder beschränkt ist, gilt dies auch zugunsten unserer Mitarbeiter.

6. Zahlung

Rechnungen sind, soweit nicht anders vereinbart, sofort nach Empfang der Ware ohne Abzug fällig. Bei verspäteter Zahlung stehen uns, ohne dass es einer Inverzugsetzung bedarf, Verzugszinsen in Höhe von 5 % über dem Basiszinssatz der EZB zu. Bei Zahlungsverzug sind alle offenstehenden (auch die noch nicht fälligen) Forderungen ohne jeden Abzug sofort zahlbar.

7. Eigentumsvorbehalt

Wir behalten uns das Eigentum an sämtlichen von uns gelieferten Waren bis zur vollständigen Tilgung aller unserer Forderungen vor. Bei Verarbeitung dieser Waren im normalen Fabrikationsprozess des Käufers sichert dieser uns die Wahrung unseres Eigentumsvorbehaltes an den Erzeugnissen im entsprechenden Werte zu. Verpfändungen und Sicherheitsübereignungen an andere sind während der Laufzeit unseres Eigentumsvorbehaltes nicht gestattet. Bei Zahlung in Wechsel oder Scheck erlischt unser Eigentumsvorbehalt erst nach Einlösung der Papiere.

8. Erfüllungsort und Gerichtsstand

Erfüllungsort für unsere Lieferungen sowie für die Zahlungen des Käufers ist Höhr-Grenzhausen. Gerichtsstand für Kaufleute, soweit sie nicht Minderkaufleute sind, juristische Personen des öffentlichen Rechts und öffentlich rechtliche Sondervermögen, ist das für den Sitz der Firma Jäger zuständige Gericht.

9. Teilweise Aufhebung dieser Bedingungen

Sollten einzelne Teile der vorstehenden Lieferungs- und Zahlungsbedingungen durch Gesetz oder durch Sondervertrag wegfallen, wird dadurch die Wirksamkeit der übrigen Bestimmungen nicht berührt.

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