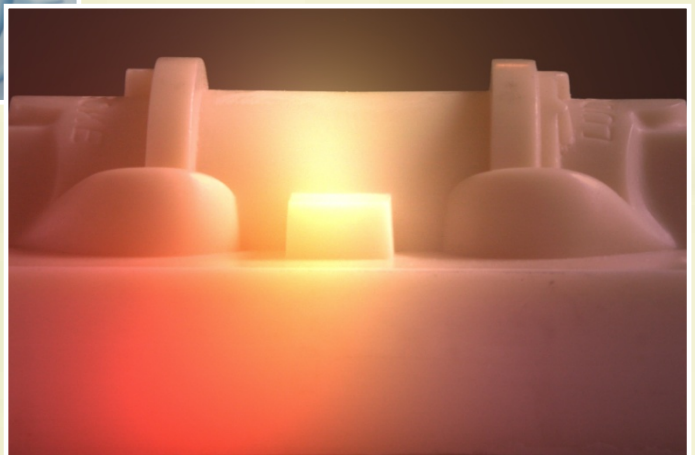


altropol

Synthetic Resins

Gel coats and casting compounds for industrial and foundry pattern making



The NEUKADUR products for the pattern and mould making

- gel coats
- casting compounds
- laminating pastes
- fast-cast resins, unfilled
- fast-cast resins, filled
- fillers
- release agents and accessories



NEUKADUR Gel Coats

Product	Special features and important properties
NEUKADUR Gel Coat black	mould making, abrasion-resistant, metallic , heat-resistant
NEUKADUR Gel Coat alu	moulds, mirror-polished surfaces , heat-resistant
NEUKADUR Gel Coat white ZH	foundry duplication models, hard, machinable, solid edges
NEUKADUR Gel Coat white K	ceramics industry , foundry industry, grindable, resistant to alkalis
NEUKADUR Gel Coat blue AF	core boxes , gauge making, soft, highly resistant to abrasion
NEUKADUR Gel Coat 105	mould making, metal filled, heat-resistant, very soft , easy to machine
NEUKADUR KP 105	linked gel coat , mineral filled, heat-resistant, contains glass fibers

NEUKADUR Casting Compounds

Product	Special features and important properties
NEUKADUR VG	hard, difficult to machine, abrasion-resistant, heat-resistant Colours: black (standard), grey
NEUKADUR VG B	hard, machinable , abrasion-resistant, heat-resistant. Colour: grey
NEUKADUR VG 3	hard, abrasion-resistant, solid edges, machinable (cutting) . Colour: black
NEUKADUR VG alu	hard, highly resistant to heat , machinable (cutting), castable up to 80 mm , good heat removal
NEUKADUR VG SP 5	hard, machinable, highly resistant to heat , castable up to 60 mm. For the production of injection moulds .
NEUKADUR VG F	good flowability, hard, machinable (cutting), low exothermic reaction , castable 30 - 40 mm, also suitable for thin-walled pieces
NEUKADUR PU 6465	extraordinarily high abrasion resistance and impact strength, core box making

NEUKADUR Moulding and Laminating Pastes based on Epoxy Resin

Product	Special features and important properties
NEUKADUR MP 428	moulding paste of low weight, easy to machine, good adhesion on many surfaces
NEUKADUR LP 285	of long fibers, glass-fiber reinforced , soft, up to 25 mm thickness
NEUKADUR LP 130	of long fibers, high dimensional stability under heat (130°C) , up to 25 mm thickness
NEUKADUR LP 900	blended fiber, very low weight, very soft

NEUKADUR Polyurethane Fast-Cast Resins, unfilled

Product	Pot life	Special features and important properties
NEUKADUR MultiCast 1	3-4 min	very low viscosity , very low shrinkage, low exothermic reaction, high layer thicknesses
NEUKADUR MultiCast 2	2-3 min	low casting viscosity, good through-curing, low shrinkage
NEUKADUR MultiCast 5	2-3 min	very quick-curing , high heat stability
NEUKADUR MultiCast 6	2 min	very quick-curing even in thin layers
NEUKADUR MultiCast 7	3-4 min	very high impact strength (also suitable for the production of plastic parts)
NEUKADUR MultiCast 8	4-5 min	low casting viscosity, quick-curing with a relatively long open time
NEUKADUR MultiCast 10	2-3 min	very good through-curing, very low shrinkage
NEUKADUR MultiCast 11	7-8 min	very high impact strength , prototype material
NEUKADUR MultiCast 12	9-10 min	(fast)-cast resin system, long open time , very low shrinkage
NEUKADUR MultiCast 15	15 min	long pot life, relatively short demoulding time, heat stability > 140 °C (filled)
NEUKADUR MultiCast 30	50 min	low-viscous, long open time, high layer thicknesses possible when filled

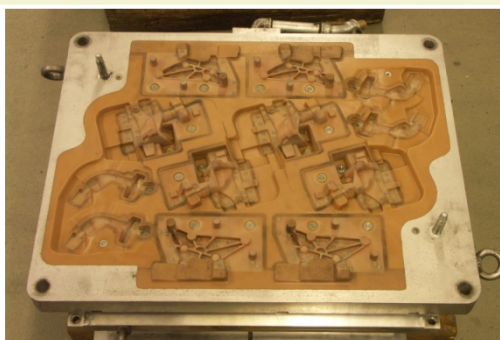
The above mentioned pot lives apply to the unfilled compound.

NEUKADUR Polyurethane Fast-Cast Resins, filled

Product	Special features and important properties
NEUKADUR MultiCast 20	very good through-curing, low-viscous, very fine structure
NEUKADUR MultiCast 21	good through-curing , low-viscous, very fine structure
NEUKADUR MultiCast 22	good through-curing, medium-viscous, very low shrinkage
NEUKADUR MultiCast 23	white , low shrinkage, low-viscous, very good through-curing
NEUKADUR MultiCast 27	very high layer thicknesses possible, long open time, very low exothermic reaction, very low shrinkage
NEUKADUR MultiCast 28	very high layer thicknesses possible, long open time, very low exothermic reaction, very low shrinkage, high dimensional stability under heat (90 - 120°C)
NEUKADUR PN 1611	very high layer thicknesses possible, long open time, very low exothermic reaction, very low shrinkage, good abrasion resistance

NEUKADUR Release Agents

Product	Special features and important properties
NEUKADUR Release Agent SE	liquid - based on wax, quick-evaporating
NEUKADUR Release Wax TW	pasty, wax based
NEUKADUR Release Spray P 6	fingertip dispenser, based on wax



NEUKADUR Fillers

Product	Special features and important properties
NEUKADUR Filler AL	25 kg sack, aluminium powder 100 , powder density 1400-1550 kg/m ³ , production of tooling boards and castings filled with aluminium powder
NEUKADUR Filler ALAF	25 kg carton, mixture of aluminium powder and corundum, for casting compounds which have a high abrasion resistance and can still be polished after grinding
NEUKADUR Aluminium Spray Grit	25 kg bucket, spattered, 0.6 – 1.2 mm, purity 97 %, powder density 1400-1550 kg/m ³ , back fillings, machinable
NEUKADUR Aluminium Powder AS 011	25 kg sack, < 65µ, purity at least 98 %, powder density: 900 - 1200 kg/m ³ , gel coats, casting compounds, top coat, machinable
NEUKADUR Iron Powder RZ 60	25 kg carton, for back fillings, gel coats, machinable, blasting shot, < 60µ
NEUKADUR Filler B	25 or 40 kg bucket, mineral filler, gel coats, casting compounds, machinable, addition of a very high proportion of fillers possible
NEUKADUR Filler EKW	25 kg carton, corundum, light, non-machinable, gel coats, casting compounds
NEUKADUR Filler GR	50 kg sack, available in the following grain sizes: 0.5 - 1.0 mm, 1.0 - 1.5 mm, 1.5 - 2.0 mm and 2.0 - 2.5 mm
NEUKADUR Filler H	25 kg carton, dolomite flour, for patching compounds, gel coats, machinable
NEUKADUR Lightweight Filler P	20 kg sack, lightweight back fillings, moulding plates, core boxes
NEUKADUR Casting Wood Filler, prewetted	lightweight filler in 1.2 or 2.4 kg sacks, white, no dust, very easy to machine
NEUKADUR Quartz Powder SH 500	25 kg carton, back fillings being difficult to machine
NEUKADUR Filler MBB	16 kg bucket, mineral filler, easy to machine
NEUKADUR Slate Grit	20 kg bucket, machinable back fillings, vacuum deep-drawing moulds
NEUKADUR Slate Flour	25 kg bucket, gel coats, linked gel coats, top cast, patching compound

NEUKADUR Accessories

Product	Special features and important properties
NEUKADUR Sheet Wax	many thicknesses from 0.50 to 5.00 mm, heat resistant up to 130°C, self-sealing
NEUKADUR Tooling Board Material PU 65	density approx. 0.70 g/cm ³ , dimensions 500 x 1,500 mm, height 50, 75 or 100 mm
NEUKADUR Tooling Board Material PU 925	density approx. 1,25 g/cm ³ , dimensions 500 x 1,000 mm, height 50 or 100 mm
NEUKADUR KL 65	1 kg box, epoxy adhesive, for the glueing of tooling board material
NEUKADUR PN 641	1 kg box, polyurethane adhesive, tough-elastic, for the glueing of tooling board material
NEUKADUR PUR 2 Purifier	4.5 or 20 kg canister, gently cleans machines and devices from residual resin
NEUKADUR Universal Patching Compound, white	working package, contains 2 kgs of patching compound and 1 tube of BP hardener paste

The above mentioned products are standard products. On request, we have a large number of further products and modifications as well as variations of the pot lives and processing times at your disposal. For more detailed information on the Altropol products, please refer to the specific technical data sheets which you can also download in the internet under www.altropol.de. You can of course also get in direct contact with us. Our application engineers will be well prepared to assist you on site and to answer your questions regarding all the other products of Altropol.

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