



EPOXIDE



POLYURETHANE

Lieferprogramm *product range*
Standardprodukte *standard products*



SILICONE



UND MEHR ...



ALTROPOL KUNSTSTOFF GMBH
DAIMLERSTRASSE 9 D-23617 STOCKELSDORF
Tel.+49 (0) 451 - 4 99 60-0 Fax+49 (0) 451 - 4 99 60 -20
e-mail: info@altropol.de <http://www.altropol.de>

altropol

NEUKADUR MultiCast

NEUKADUR MultiCast, wide range of polyurethane casting systems

The NEUKADUR MultiCast systems show the following advantages:

- unfilled, low viscosity
 - can be coloured
 - low exothermic reaction
 - fast curing and demoulding
 - can be cast in great volumes and thicknesses
 - variable pot-life possible
 - fast cast systems almost insensitive to humidity of wood and atmospheric moisture
 - casting of modeling boards (mineral and metal fillers) possible
 - filled types complete the program (see MultiCast 20, 21, 22, 27, 28)
 - special formulation on request
- different filler can be used, e.g.
 - NEUKADUR filler B
 - NEUKADUR filler BKR
 - NEUKADUR filler MBB
 - NEUKADUR filler A
 - NEUKADUR filler GR
 - NEUKADUR filler AL
 - NEUKADUR filler ALAF
 - see also technical leaflet NEUKADUR fillers and release agent

Outline of properties of the Altropol MultiCast fast-casting and casting systems (unfilled)

Multicast and ISO are delivered in an unfilled condition and can be formulated by the customer himself to his special requirements by individual filler addition.

NEUKADUR MultiCast/ISO	Special features	Mixing viscosity (unfilled) mPas	Pot life		demouldable acc. to thickness of layer		castable (filled system) layer thickness* in mm
			unfilled	filled	4 - 5 mm	30 - 40 mm	
MultiCast 1 / ISO2	very low casting viscosity very low shrinkage low exothermic reaction possibility of thick layers high heat stability	55	3 - 4 min	5 - 6 min	approx. 90 min	approx. 75 min	approx. 80 mm*
MultiCast 2 /ISO 2	low casting viscosity good curing properties low shrinkage high heat stability	75	2 - 3 min	4 - 5 min	approx. 45 min	approx. 30 min	approx. 40 mm*
MultiCast 3 / ISO 3	worth the price	100	2 - 3 min	3 - 4 min	approx. 45 min	approx. 30 min	approx. 40 mm*
MultiCast 4 / ISO 2	good curing properties high heat stability	100	2 - 3 min	4 - 5 min	approx. 45 min	approx. 30 min	approx. 40 mm*
MultiCast 5 / ISO 2	very quick curing properties very high heat stability	100	2 - 3 min	3 - 4 min	approx. 25 min	approx. 15 min	approx. 20 mm*
MultiCast 7 / ISO 1	very high impact strength also suitable for the fabrication of plastic parts	150	3 - 4 min	5 - 6 min	approx. 75 min	approx. 60 min	approx. 10 mm*
MultiCast 10 / ISO 2	excellent curing properties very low shrinkage	80	2 - 3 min	3.5 - 4.5 min	approx. 35 min	approx. 20 min	approx. 30 mm *
MultiCast 11 / ISO 1	very high impact strength prototype material	600	7 - 8 min.	5 min.	6 - 8 h	6 - 8 h	unfilled approx. 5 mm
PN 1515 / ISO 1	very high impact strength after room temperature storage	500	5 min	4 min	3 - 4 h	3 - 4 h	unfilled approx. 5 mm
MultiCast 12 / ISO 2	fast cast resin with long pot life very low shrinkage	100	9 - 10 min	12 - 13 min	4 - 5 h	2 - 3 h	approx. 120 mm*
MultiCast 15 / ISO 3	(fast) cast resin with long pot life and relatively short demoulding time heat stability > 140 °C (filled)	170	15 - 16 min	15 - 20 min	3 - 4 h	1.5 - 3 h	approx. 150 mm*
MultiCast 30 / ISO 1	low viscosity long open time castable in high thicknesses	350	45 - 55 min	25 - 30 min.	12 - 16 h	5 - 8 h	> 200 mm*

Outline of properties of the Altropol MultiCast fast-casting and casting systems (filled)

Component A leaves our work in a filled and evacuated condition

NEUKADUR MultiCast/ISO	Special features	Mixing viscosity mPas	Pot life	demouldable acc. to thickness of layer		castable layer thickness* in mm
				4 - 5 mm	30 - 40 mm	
MultiCast 20 / ISO 5	prefilled casting system very good curing properties low-viscous very fine structure	approx. 700	approx. 5 min	30 - 40 min.	20 - 30 min.	approx. 40 mm*
MultiCast 21 / ISO 5	prefilled casting system very good curing properties low-viscous very fine structure	approx. 1200	approx. 4 - 5 min.	20 - 30 min.	10 - 15 min.	approx. 40 mm*
MultiCast 22 / ISO 5	prefilled casting system very good curing properties medium-viscous very low shrinkage	approx. 2200	approx. 5 min	30 - 40 min.	20 - 30 min.	approx. 60 mm*
MultiCast 27 / ISO 4 or ISO 5	prefilled casting system possibility of thick layers long open time very low in exothermic reaction very low shrinkage	approx. 3500 approx. 1500	approx. 60 min approx. 70 min	approx. 16 h approx. 24 h	approx. 8 h approx. 18 h	to 300 mm to 500 mm
MultiCast 28 / ISO 1 or ISO 5	prefilled casting system possibility of thick layers long open time very low in exothermic reaction very low shrinkage high heat resistance (90 - 120 °C)	approx. 1200 approx. 600	approx. 45 min approx. 60 min	approx. 16 h approx. 24 h	approx. 8 h approx. 18 h	to 200 mm > 300 mm

*castable layer thickness of filled systems at a width of 20 - 30 mm.

Mixing table: MultiCast/ISO

100 parts	ISO 1	ISO 2	ISO 3	ISO 4	ISO 5	ISO 6	ISO 8
NEUKADUR							
MultiCast 1	75	100	-	-	-	-	90
MultiCast 2	80	100	-	-	-	-	90
MultiCast 3	80	100	100	-	-	-	-
MultiCast 4	80	100	100	-	-	-	-
MultiCast 5	85	100	100	-	-	-	100
MultiCast 7	80	-	-	-	-	-	100
MultiCast 10	85	100	100	-	-	70	100
MultiCast 11	100	-	-	-	-	-	110
PN 1515	90	-	-	80	-	-	105
MultiCast 12	75	100	-	-	-	-	90
MultiCast 15	130	170	170	115	-	115	150
MultiCast 20	-	-	-	-	20	-	-
MultiCast 21	-	-	-	-	20	-	-
MultiCast 22	-	-	-	-	15	-	-
MultiCast 27	30	-	-	25	25	-	-
MultiCast 28	32	-	-	-	28	-	-
MultiCast 30	100 - 110	135 - 145	-	-	-	-	110 - 120

NEUKADUR polyurethane casting compounds

NEUKADUR PU 172	unfilled fast curing casting resin
NEUKADUR Quick gelb	pre-filled fast curing casting compound, weak odour, machinable
NEUKADUR PU 256	pre-filled casting compound with approx. 60 minutes pot-life.
NEUKADUR Fleximasse N	flexible casting compound hardener N 1 = Shore A 40 hardener N 2 = Shore A 50 hardener N 3 = Shore A 60
NEUKADUR PU 11	flexible casting compound, Shore A 50, rubber-like

NEUKADUR ProtoCast/ProtoFlex/ProtoSil

**NEUKADUR ProtoCast , ProtoFlex and ProtoSil,
wide range of polyurethane vacuum casting resins
as well as RTV - 2 K silicone rubber systems
for the fabrication of prototypes.**

The NEUKADUR prototype casting systems stand out for their special features:

- unfilled, of low to medium viscosity
- can be coloured by the customer or in our works
- fast curing and demoulding
- variable pot lives possible
- variable hardness' possible
- thermoplastic character (ABS, PE, PP etc.)
- character similar to rubber (EPDM)
- high impact strengths
- high elongation
- special formulations on request

Altropol Prototype Resins rigid and/or viscoplastic

Designation	Properties (similar to)	Mixing ratio	Mixing viscosity	Potlife	Hardness	Heat stability °C (2 – 5 mm)		Tensile strength N/mm ²	Elongation %	Flexural strength N/mm ²	Bending elongation %	Flex.mod. of elasticity N/mm ²	Impact strength KJ/m ²
						unfilled	filled						
			mPas	minutes	Shore D			DIN 53455	DIN 53455	DIN 53452	DIN 53452	DIN 53457	DIN 51230
								cured 7 days at room temperature					
ProtoCast 101 Hardener PTG 2	Fast-casting system	100 : 100 (filled)*	55	3 - 4	75	approx. 70	approx. 80	33 (n. t.)	6 (n. t.)	33 (35)	(3)	650 (2650)	14 (n. t.)
ProtoCast 102 Hardener PTG 2	Fast-casting system	100 : 100 (filled)*	75	2 – 3	75	approx. 70	approx. 80	27 (n. t.)	5 (n. t.)	32 (30)	(2)	660 (1900)	16 (n. t.)
ProtoCast 105 Hardener PTG 2	Fast-casting system	100 : 100 (filled)*	100	2 – 3	80	approx. 80	approx. 90	40 (n. t.)	4 (n. t.)	42 (31)	(1,4)	1070 (2450)	12 (n. t.)
ProtoCast 107 Hardener PTG 1	Fast-casting system	100 : 80 (filled)*	150	3 - 4	75	approx. 60	approx. 70	35 (n. t.)	5 (n. t.)	50 (36)	(1,5)	1000 (3200)	25 (n. t.)
								cured 1 day at room temperature/ 1 - 2 hour 80 °C					
ProtoCast 108 Hardener PTG 8	PE/PP	100 : 75	500	5	78	approx. 65	-	23	20	32	14	540	30
ProtoCast 112 Hardener PTG 8	PE/PP	100 : 75	500	2	78	approx. 65	-	25	18	32	23	460	100
ProtoCast 113 Hardener PTG 4	ABS	100 : 100	450	3	78	80 - 85	-	48	19	72	10	1200	31
ProtoCast 114 Hardener PTG 4	ABS	100 : 100	450	4	78	80 - 85	-	48	19	72	10	1200	32
ProtoCast 115 Hardener PTG 1	ABS	100 : 120	800	3 - 4	82	80 – 90	-	53	15	100	9	1700	26
Hardener PTG 4	ABS	100 : 100	1000	3 - 4	83	100 - 110	-	60	13	105	9	1750	25
NEUKADUR PN 1347/PTG 4	ABS	100 : 85	600	4	80	80 – 90	-	48	16	62	12	1350	35
NEUKADUR PN 1392 Comp. A/B	ABS/ PA	65 : 100	750	8	84	110 – 120	-	55	28	100	15	1500	60 – 80
1392-02 C. A/B	ABS / PA	65 : 100	750	6,5	84	110 - 120	-	55	28	100	15	1500	60 – 80
NEUKADUR PN 1394 Comp. A/B	Transparent UV stable	100 : 300	1500	15 - 20	80	70	-	61	28	90	12	1450	65 - 70

* = test of filled products, formulation see data sheet

Outline of the properties of the NEUKDUR ProtoCAST casting systems

ProtoCast 101 - 107 in combination with hardener PTG 2 are fast casting resins, which allow, due to their low viscosity, an individual filler addition and can thus be formulated by the customer himself to his special requirements

ProtoCast/PTG	Special features	Mixed viscosity	Pot life		demouldable acc. to thickness of layer*/**		castable (filled system)
		(unfilled) mPas	unfilled	filled	4 - 5 mm	30 - 40 mm	layer thickness*** in mm
ProtoCast 101 Hardener PTG 2	very low casting viscosity very low shrinkage low exothermic reaction possibility of thick layers high heat stability	approx. 55	3 - 4 min	5 - 6 min	approx. 90 min*	approx. 75 min*	approx. 80 mm (filled)
ProtoCast 102 Hardener PTG 2	low casting viscosity good curing properties low shrinkage high heat stability	approx. 75	3 - 4 min	4 - 5 min	approx. 45 min*	approx. 30 min*	approx. 40 mm (filled)
ProtoCast 105 Hardener PTG 2	quick curing properties very high heat stability	approx. 100	2 - 3 min	3 - 4 min	approx. 25 min*	approx. 15 min*	approx. 20 mm (filled)
ProtoCast 107 Hardener PTG 1	high impact strength also suitable for the fabrication of plastic parts	approx. 150	3 - 4 min	5 - 6 min	approx. 75 min*	approx. 60 min*	5 - 10 mm (unfilled) 10 - 40 mm (filled)
ProtoCast 108 Hardener PTG 8	high impact strength also suitable for the fabrication of plastic parts (similar to PP)	approx. 500	5 - 6 min		30 - 60 min**		5 - 20 mm (unfilled)
ProtoCast 111 Hardener PTG 1 Hardener PTG 4	very high impact strength short pot life and short demoulding time high heat stability prototype material (similar to ABS and PP)	approx. 400 approx. 450	1 min 1 min		5 - 15 min** 5 - 15 min**		1 - 3 mm (unfilled) 1 - 3 mm (unfilled)
ProtoCast 112 Hardener PTG 8	very high impact strength short pot life and short demoulding time prototype material (similar to PP)	approx. 500	2 min		5 - 15 min**		2 - 7 mm (unfilled)
ProtoCast 113 Hardener PTG 1 Hardener PTG 4	high impact strength short pot life and short demoulding time high heat stability prototype material (similar to ABS and PP)	approx. 400 approx. 450	3 min 3 min		20 - 30 min** 20 - 30 min**		2 - 7 mm (unfilled) 1 - 7 mm (unfilled)
ProtoCast 114 Hardener PTG 1 Hardener PTG 4	high impact strength short pot life and short demoulding time high heat stability prototype material (similar to ABS and PP)	approx. 400 approx. 450	4 min 4 min		30 - 60 min** 30 - 60 min **		2 - 10 mm (unfilled) 2 - 10 mm (unfilled)

* room temperature - ** after storage at 70 - 80°C/thickness of layer approx. 5 mm

*** castable layer thickness of filled (width: approx. 20 - 30 mm) and unfilled systems constitutes a recommendation and partially depends on the geometries of parts to be moulded

Outline of the properties of the NEUKADUR ProtoCast casting systems

ProtoCast systems are delivered in an unfilled condition and can - if necessary - be formulated by the customer himself to his special requirements by the individual filler addition.

NEUKADUR ProtoCast	Special features	Mixed viscosity	Pot life	demouldable acc. to thickness of layer**	castable layer thickness*** in mm
		(unfilled) mPas	unfilled	4 - 5 mm	
ProtoCast 115 Hardener PTG 1 Hardener PTG 4	good impact strength short pot life and short demoulding time very high heat stability	approx. 800 approx. 1000	4 min 4 min	30 - 60 min** 30 - 60 min**	2 - 10 mm (unfilled) 2 - 10 mm (unfilled)
ProtoCast VZ	prototype material (ABS) Prolongation of the pot lives of ProtoCast systems decrease of exothermic reaction higher thickness' possible	only in combination with e. g. PC 115 usable	e. g. + 25 % addition to PC 115 7 - 8 min	90 - 150 min**	5 - 15 mm (unfilled)

* room temperature

** after storage at 70 - 80°C/thickness of layer approx. 5 mm

*** castable layer thickness of filled (width: approx. 20 - 30 mm) and unfilled systems constitutes a recommendation and partially depends on the geometries of parts to be moulded

The statements of this data sheet serve the information only and are legally not binding.

altropol **flexible** Prototype Resins

Designation	Properties (similar to rubber)	Mixing ratio	Mixing viscosity	Pot life approx.	Hardness	Heat stability °C (3 – 5 mm)	Tensile Strength N/mm ²	Tensile elongation %	Tear resistance N/mm
Hardener PTG 1 (or alternativ PTG 8 ^{***})			mPas	minutes	Shore A	unfilled	DIN 53504	DIN 53504	DIN 53515
							cured 1 day at room temperature/1 hour at 80 °C		
ProtoFlex 110-05	very soft	100 : 14	800	5	15	approx. 50	2	1500	19
ProtoFlex 110-05*	very soft	100 : 13.5	800	5	10	approx. 50	1.5	1600	20
ProtoFlex 110-15	very soft	100 : 14	800	15	15	approx. 50	2	1500	19
ProtoFlex 110-25	very soft	100 : 13.5	800	25	10	approx. 50	1.5	1600	20
ProtoFlex 150-05	medium	100 : 20	1500	5	50	approx. 80	7	500	8
ProtoFlex 150-05**	soft	100 : 17	1800	5	25	approx. 80	3	1800	20
ProtoFlex 150-15	medium	100 : 20	1500	15	50	approx. 80	7	500	8
ProtoFlex 150-25	medium	100 : 20	1500	25	50	approx. 80	7	500	8
ProtoFlex 190-05	rigid	100 : 54	1500	5	90	approx. 80	15	150	25
ProtoFlex 190-15	rigid	100 : 54	1500	15	90	approx. 80	15	150	25
ProtoFlex 190-25	rigid	100 : 54	1500	25	90	approx. 80	15	150	25

* The property of the mixing ratio of 100 : 13.5 (see above ProtoFlex 110-05) also applies to ProtoFlex 110-15. With a mixing ratio of 100 : 13, one obtains shore A-hardnesses of 10, but the cured material is no more easily demouldable. With 100 : 12, only tacky cured materials are achieved. With a mixing ratio of 100 : < 12, the materials do not cure any longer.

** The properties of the mixing ratio of 100 : 17 (see above ProtoFlex 150-05) also apply to ProtoFlex 150-15 and ProtoFlex 150-25. Mixing ratios of ProtoFlex 150 with PTG 1 of 100 : < 17 result in tacky cured materials. With < 15 parts PTG 1, ProtoFlex 150 does not cure at all. In case of ProtoFlex 190 products, one can work with ± 10-20 % of PTG 1. Reduced crosslinking (-10 - 20 % PTG 1) leads to softer cured materials, increased cross linking (+ 20 % PTG 1) leads to harder cured materials: E. g. 100 p.b.w PF 190-05 + 45 p.b.w. = Shore A 80

*** In case that hardener PTG 8 is used instead of PTG 1 (quantity x of PTG 1 = 1.2 times the quantity of PTG 8), one will obtain cured materials **with considerably improved properties with regard to elongation and resistance to tear propagation**, whilst the **higher viscosity of the PTG 8 will deteriorate the flowability slightly as a result of which the curing will be delayed considerably**. For ProtoFlex types with a pot life of 25 minutes, we therefore generally advise our customers against working with PTG 8. Example: 100 parts ProtoFlex 190-05 + 65 parts PTG 8: Pot life 5 minutes, tensile strength approx. 17 MPa, elongation approx. 400 %, resistance to tear propagation approx. 100 N/mm

ProtoFlex type can be mixed with each other with the aim to formulate linearly an individual hardness of between Shore A 10 and Shore A 90. ProtoFlex types can also be combined with ProtoCast types (e. g. flexibilization of ProtoCast and/or harder formulation of ProtoFlex). Here, however, it is particularly important to consider the mixing ratios with for example PTG 1 (e. g. 100 parts PF 150 + 100 parts PF 190 + 74 parts PTG 1 (20 parts + 54 parts) = rubber of Shore A 70).

Outline of the Properties of the NEUKADUR ProtoFlex Casting Systems

**NEUKADUR ProtoFlex Systems are preferably cast in an unfilled condition.
The ProtoFlex Systems are mixable with each other to formulate the shore A-hardness' individually
(see mixing table in the appendix)**

ProtoFlex	Special features	Mixed viscosity	Pot life	demouldable acc. layer	Castable layer thickness** in mm
		mPas		thickness (room temperature)	
ProtoFlex 110-05 ProtoFlex 110-15 ProtoFlex 110-25* Hardener PTG 1 Hardener PTG 8	Shore A-Hardness 10 - 25 very high elongation high restoring force good abrasion resistance good chemical resistance	approx. 850 approx. 1000	approx. 5 min approx. 15 min approx. 25 min	2 - 5 hours 18 - 24 hours 24 hours	approx. 1 - 10 mm** approx. 5 - 50 mm** approx. 10 - > 50 mm**
ProtoFlex 150-05 ProtoFlex 150-15 ProtoFlex 150-25* Hardener PTG 1 Hardener PTG 8	Shore A-Hardness 30 - 55 high elongation high restoring force good abrasion resistance good chemical resistance	approx. 1500 approx. 1800	approx. 5 min approx. 15 min approx. 25 min	2 - 5 hours 18 - 24 hours 24 hours	approx. 1 - 10 mm** approx. 5 - 50 mm** approx. 10 - > 50 mm**
ProtoFlex 190-05 ProtoFlex 190-15 ProtoFlex 190-25* Hardener PTG 1 Hardener PTG 8	Shore A-Hardness 80 - 95 high elongation high restoring force good abrasion resistance good chemical resistance	approx. 1500 approx. 1800	approx. 5 min approx. 15 min approx. 25 min	1 - 3 hours 8 - 16 hours 24 hours	approx. 1 - 10 mm** approx. 5 - 50 mm** approx. 10 - > 50 mm**

* In case of **ProtoFlex** typs with the potlife of **25 minutes please use PTG 1only** [the curing time with PTG 8 at room temperature are to long (36 - 48 hour)]

**Castable layer thickness of unfilled systems at a width of 5 - 10 mm

By heat treatment, e. g. at 50 - 70 °C, the curing of ProtoFlex/ISO can be accelerated considerably

**Mixing table with resulting
Shore-A-Hardness (approx. values)
NEUKADUR ProtoFlex 110-05
NEUKADUR ProtoFlex 190-05**

NEUKADUR ProtoFlex 110-05	p. b. w.	100	95	90	75	60	50	40	25	10	0
NEUKADUR ProtoFlex 190-05	p. b. w.	0	5	10	25	40	50	60	75	90	100
Shore-A-Hardness after 24 h RT* curing	points	appr. 10	appr. 24	appr. 34	appr. 56	appr. 63	appr. 72	appr. 74	appr. 83	appr. 88	appr. 92
Mixing ratio with hardener PTG 1	p. b. w.	100 :14	100:16	100 : 18	100 : 25	100 : 30	100 : 34	100 : 38	100 : 44	100 : 50	100 : 54

RT* room temperature

ProtoFlex 110-05/PTG 1 = 100 : 13,5 = Shore A approx. 10

If plastics with a much higher resistance to tear propagation and elongation are desired, hardener PTG 8 is used.

The Shore-hardnesses resulting from this are similar to those which can be achieved with hardener PTG 1 (see table above).

X amount of hardener PTG 1 = 1.2 amount of hardener PTG 8

Example: 30 parts PTG 1 = 36 parts PTG 8

ProtoFlex 110-05/PTG 8 100 : 17 = approx. Shore A 15

Outline of the properties of the Altropol ProtoSil Casting System

ProtoSil comp. A/B	special features	mixed viscosity	potlife	demouldable depending on thickness of layer e.g. 10 mm
		mPas		
ProtoSil RTV 240 A ProtoSil RTV 240 B	transparent shore A 40 good flowability vulcanised materials - no shrinkage	approx. 45.000	approx. 85 min. at 25 °C	approx. 15 hours at 25 °C
ProtoSil RTV 250 A ProtoSil RTV 250 B	very good resistance to polyurethane and epoxy resins Shore A 55 good flowability very good mechanics	approx. 95.000	approx. 150 min. at 25 °C	approx. 24 hours at 25 °C

The statements in this data sheet are intended for information purposes and for the rest they are legally not binding

AND MORE ...

Patching and modelling compounds

Product	package unit	Properties / Fields of application
NEUKADUR multi-purpose patching compound, fine (white)	2 kg can	fine patching compound of polyester for multi-purpose use
Benzoyl peroxide paste	50 g tube 1 kg can	hardener for NEUKADUR multi-purpose patching compound, fine (white), and NEUKADUR K 27
NEUKADUR MP 427	5 kg bucket	modelling paste based on epoxy
NEUKADUR modelling compound in yellow, red, green	yellow - 650 g red - 1000 g green - 1000 g	plasticine kneading compounds

*Adhesives **

Product	package unit	Properties / Fields of application
NEUKADUR MK 117	25 kg bucket	multi-purpose adhesive based on epoxy
NEUKADUR PN 444	5 kg bucket	adhesive based on polyurethane
NEUKADUR KL 65	1 kg can	for the glueing of model design plates
NEUKADUR KL 69	800 g can	patching compound for model design plates
NEUKADUR K 27	1 kg canister 5 kg canister	accelerated polyester resin

* further special adhesives on request

Sheet wax

Product	package unit	Properties / Fields of application
NEUKADUR sheet wax		
0,50 mm thickness	10 pcs. per carton	Temperature stability: approx. 130 °C Dimensions: 305 x 610 mm Colour: yellow - brown
0,70 mm thickness	10 pcs. per carton	
0,75 mm thickness	8 pcs. per carton	
0,80 mm thickness	8 pcs. per carton	
0,90 mm thickness	8 pcs. per carton	
1,00 mm thickness	8 pcs. per carton	
1,25 mm thickness	8 pcs. per carton	
1,50 mm thickness	8 pcs. per carton	
2,00 mm thickness	8 pcs. per carton	
2,50 mm thickness	8 pcs. per carton	
3,00 mm thickness	4 pcs. per carton	
4,00 mm thickness	4 pcs. per carton	
5,00 mm thickness	4 pcs. per carton	

Dye pastes

Product	package unit	Properties / Fields of application
NEUKADUR Procolor PU dye pastes *	250 g bottle 1 kg bottle 25 kg bucket	for polyurethanes
NEUKADUR Procolor EP dye pastes *		for epoxies
NEUKADUR Procolor PM dye pastes *		for polymethacrylate
NEUKADUR white pigment	25 kg carton	titanium white
NEUKADUR black pigment	25 kg carton	ferric oxide, black
NEUKASIL dye pastes *	250 g bottle 1 kg bottle 25 kg bucket	for silicones

* For individual colours please see separate data sheet

Release agents

Product	package unit	Properties / Fields of application
NEUKADUR release agent SE	1.5 kg canister 4.0 kg canister	liquid – based on wax, quick-deaerating
NEUKADUR release agent N	1.5 kg canister 4.0 kg canister	liquid – based on wax, deaeration time approx. 45 min
NEUKADUR release wax TW	250 g can 750 g can	pasty, based on wax
NEUKADUR release spray P 6	400 ml spray can	sprayable, based on wax
NEUKASIL release agent S 50	1 kg canister	liquid, contains silicone, solvent-free
NEUKASIL silicone spray	400 ml spray can	sprayable, based on silicone

Release agents

Product	package unit	Properties / Fields of application
NEUKADUR release lacquer PVA	1 kg bottle 5 kg canister	polyvinyl alcohol, film forming
FREKOTE release agent *		semipermanent release agent systems

* for a detailed outline, please refer to the separate data sheet

Glass fabrics / Glass fibre products

Product	package unit	Properties / Fields of application
NEUKADUR glass fabric P 1000 (fine)	Roll of 100 m ²	glass fibre weave 160 g/m ²
NEUKADUR glass fabric P 2000 (medium)	Roll of 100 m ²	glass fibre weave 280 g/m ²
NEUKADUR glass fabric P 3000 (coarse)	Roll of 100 m ²	glass fibre weave 400 g/m ²
NEUKADUR glass filament fabric SL 270	Roll of 100 m ²	twilled fabric 163 g/m ²
NEUKADUR glass fabric ribbon 10 cm type 10/560	Roll of 5 m ²	glass staple fibre fabric 160 g/m ²
NEUKADUR glass fabric ribbon 10 cm type 10/561	Roll of 5 m ²	glas staple fibre fabric 180 g/m ²
PARABEAM 3D glass fabric*		time-saving, weight-reducing, three-dimensional
NEUKADUR glass filament snip 3 mm	25 kg carton	milled fibre
NEUKADUR glass filament snip 6 mm	25 kg carton	milled fibre
NEUKADUR glass fibre filler F 60	5 kg carton	milled fibre 250 μ
NEUKADUR filler G	25 kg carton	solid glass spheres

* for a detailed outline, please refer to the separate data sheet

Fillers

Product	package unit	Properties / Fields of application
NEUKADUR aluminium powder AS 011	25 kg bucket	< 65 μ , purity at least 98 % , gel coats, casting compounds, top coat, workable/machinable
NEUKADUR filler AL	25 kg bucket	aluminium powder 100 μ , for the production of model design plates filled with aluminium powder
NEUKADUR aluminium grit MR 7	25 kg bucket	round grain, 1- 2 mm, purity 98 % , back fillings, workable/machinable
NEUKADUR aluminium spray grit	25 kg bucket	spattered, 0.6 – 1.2 mm, purity 97 % , back fillings, workable/machinable
NEUKADUR iron powder RZ 60	25 kg carton	for back fillings, gel coats, workable/machinable, blasting shot, < 60 μ
NEUKADUR filler ALAF	25 kg carton	mixture of aluminium powder and corundum suitable for casting compounds which have a high abrasion resistance and can still be polished after grinding and thus result in an excellent surface quality.
NEUKADUR filler AF	25 kg carton	corundum, dark not workable/machinable, gel coats, casting compounds
NEUKADUR filler EKW	25 kg carton	corundum, light not workable/machinable, gel coats, casting compounds
NEUKADUR quartz powder SH 500	25 kg carton	back fillings difficult to work/machine
NEUKADUR light filler P	20 kg sack	light back fillings, moulded plates, core boxes, all kinds of patterns, difficult to work/machine
NEUKADUR light filler Q	15.5 kg sack	for NEUKADUR systems, workable/machinable

Fillers

Product	package unit	Properties / Fields of application
NEUKADUR filler MBB	16 kg bucket	mineral filler, for NEUKADUR Multicast systems, easy to work/machine
NEUKADUR filler A	25 kg bucket 40 kg bucket	aluminium hydroxide, gel coats, casting compounds, workable/machinable
NEUKADUR filler B	25 kg bucket 40 kg bucket	mineral filler, gel coats, casting compounds, workable/machinable, very high proportion of fillers allowed
NEUKADUR filler BKR	25 kg bucket 40 kg bucket	mineral filler, casting compounds, workable/machinable, very high proportion of fillers allowed
NEUKADUR filler GR 0.5 – 1.0 mm NEUKADUR filler GR 1.0 – 1.5 mm NEUKADUR filler GR 1.5 – 2.0 mm NEUKADUR filler GR 2.0 – 2.5 mm	50 kg sack	mineral filler, casting compounds, high proportion of fillers allowed, workable/machinable
NEUKADUR filler H	25 kg carton	dolomite flour, for patching compounds, gel coats, workable/machinable
NEUKADUR filler T	25 kg carton	talc, for patching compounds, gel coats, workable/machinable
NEUKADUR slate flour	25 kg bucket	gel coats, linked gel coats, top cast, patching compound
NEUKADUR slate grit	20 kg bucket	slate laminas, workable/machinable back fillings, vacuum deep-drawing moulds
NEUKADUR filler ABS	50 kg drum	plastic granule, PVC-free, for back fillings, impact resistant

Thixotropic agent

Product	package unit	Properties / Fields of application
NEUKADUR thixotropic agent TS 720	10 kg sack	thickening agent based on silicic acid

Purifier for moulds and tools

Product	package unit	Properties / Fields of application
NEUKADUR PUR 2 purifier	4.5 kg canister 20 kg canister	relieves machines and appliances from not completely cured residues of EP and PU resins
NEUKADUR wax remover EN 622	4.5 kg canister 20 kg canister	removes residues of wax from metal and plastic moulds

Cups /brushes / gloves

Product	package unit	Properties / Fields of application
paper cups, coated with PE - 250 ml	carton of 100 pcs.	
paper cups, paraffined - 600 ml	carton of 100 pcs.	
plastic cups, PP - 500 ml	carton of 100 pcs.	
short-haired flat brushes	carton of 50 pcs.	pure China bristle
stirring spatulas made of beech wood	carton of 100 pcs.	stable design, length 30 cm
disposable Latex gloves	dispenser box of 100 pcs.	tearproof, not sterile, medicine quality
protective skin lotion	100 ml bottle	"liquid glove", use before work
hand cleansing agent	250 ml tube	pasty hand cleansing agent, alkali-free

ALTROPOL KUNSTSTOFF GMBH
DAIMLERSTRASSE 9 D - 23617 STOCKELSDORF
Tel. +49 (0) 451-4 99 60-0 Fax +49 (0) 451-4 99 60-20
e-mail: info@altropol.de <http://www.altropol.de>

altropol