

Basis	flexible casting resin
Resin	GM 968 Comp. A
Hardener	GM 968 Comp. B
Colour	red brown
Further colours	green

Applications

- Casting moulds for concrete
- Casting mould for cement
- Casting mould for ceramic materials
- Casting mould for wax
- Casting mould for gypsum
- Casting mould for plastic
- Prototypes with rubber-like properties

Properties

- shore A hardness 55
- very low water absorption
- excellent flow properties
- good tear propagation resistance
- RoHS conform

Processing data

Product		Mixture GM 968 Comp. A+B	Resin GM 968 Comp. A	Hardener GM 968 Comp. B
Colour		red brown	red brown	transparent
Mixing ratio	p. b. w.		100	80
Viscosity at 25°C	mPas	1500 ± 350	800 ± 50	5000 ± 1000
Density at 20°C	g / cm ³	1,04 ± 0,02	1,02 ± 0,02	1,06 ± 0,02
Pot life 200 g / 20°C	min.	25 - 35	-	-
Curing time at RT	hrs.	20 - 24	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Tensile strength / test piece type 2	ISO 37	MPa	5,0 ± 0,8
Tensile modulus / test piece type 2	ISO 37	MPa	-
Elongation at break / test piece type 2	ISO 37	%	700 ± 200
Shore hardness	DIN ISO 7619-1	Shore A	55 ± 3
Linear shrinkage	internal	%	-
Tear resistance arch shaped test piece with incision 1 mm	DIN ISO 34-1	kN/m	16 ± 1
Tear resistance arch shaped test piece without incision	DIN ISO 34-1	kN/m	36 ± 3
water absorption 35 - 40°C 63 d	internal	%	ca. 2 %

Sales units (packages)

Units	Comp. A	GM 968 Comp. A	5,000 kg
	Comp. B	GM 968 Comp. B	4,000 kg

Processing instructions

1. Stir comp.A thoroughly before use
2. To get a product free from bubbles, we recommend degassing of max. 10 min.
3. Moulds have to be moisture free
4. In case of use as concrete mould, hydrocarbon-based release agents lead to accelerated ageing of the PUR-mould.

Material- and processing temperature should be between 18-25°C.

Close containers carefully after use.

Please follow instructions regarding mixing ratio of resin and hardener.

Any resin residues at stirring rods can be cleaned easily with ebaclean

In General

This product is a Polyurethane system

If the product is cured at room temperature, no entire chemical and mechanical load before 7 days after curing.

Storing

Storage at room temperature 18-25 °C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Shelf life is indicated on the labels.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices!

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

In case of further questions please do not hesitate to contact our Department for Product Safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.