

Basis	<b>2 Component PU - casting system</b>
Resin	<b>GM 958 Comp. A</b>
Hardener	<b>GM 958 Comp. B</b>
Colour	red brown

### Applications

- Casting moulds for concrete industry
- 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 60
- very low water absorption
- excellent flow properties
- good tear propagation resistance

### Processing data

Product		Mixture GM 958 / Comp. A+B	Resin GM 958 Comp. A	Hardener GM 958 Comp. B
Colour		red brown	red brown	transparent
<b>Mixing ratio</b>	<b>p. b. w.</b>		<b>100</b>	<b>100</b>
Viscosity at 25°C	mPas	1550 ± 350	500 ± 50	7000 ± 1000
Density at 20°C	g / cm <sup>3</sup>	1,08 ± 0,02	1,02 ± 0,02	1,15 ± 0,02
Pot life 200 g / 20°C	min.	20 - 30	-	-
Curing time at RT	hrs.	20 - 24	-	-

### Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	-
Flexural modulus	EN ISO 178	MPa	-
Flexural strength at breakage	EN ISO 178	%	-
Tensile strength / test piece type 2	ISO 37	MPa	5,5 ± 0,8
Elongation at break / test piece type 2	ISO 37	%	1220 ± 150
Compressive strength	EN ISO 604	MPa	-
Impact resistance (Charpy)	EN ISO 179	kJ/m <sup>2</sup>	-
Heat resistance (Martens)	DIN 53458	°C	-
Shore hardness	DIN 53505	Shore A	60 ± 3
Coefficient of linear expansion	DIN 53752	10 <sup>-6</sup> K <sup>-1</sup>	-
Linear shrinkage	internal	%	-
Tear resistance arch shaped test piece with incision 1 mm	DIN ISO 34-1	kN/m	9,2 ± 5
Tear resistance arch shaped test piece without incision 1 mm	DIN ISO 34-1	kN/m	37 ± 3
water absorption 35 - 40°C 63 d	internal	%	ca. 2,4

### Sales units (packages)

Units	GM 958 Comp. A	5,000 kg / 25,000 kg
	GM 958 Comp. B	5,000 kg / 25,000 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 our cleaning agent.

## In General

This product is a Polyurethane system

If the product is cured at room temperature exposure to full chemical and mechanical influences only after 7 days.

Products called "VP" are experimental products.  
Regarding technical data slight modifications are possible.

## Storing

Storage at room temperature (18 – 25°C) in closed original container 6 months.  
Already opened containers should be closed immediately after use and should be used as soon as possible.

## 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.

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