

Biresin® M72

Model paste

Areas of Application

- Machine application of paste on substructures for production of contour shaped machinable blanks for design-, styling- or cubing models

Product Benefits

- Hard, low density material with high dimensional stability
- After mixing the material becomes thixotropic and hangs well on vertical surfaces
- Fine, dense surface, easy to varnish
- Stress releasing formulation lowers distortion
- Easily workable

Description

- Basis Two component PUR system
- Component A **Biresin® M72**, polyol, brown
- Component B **Biresin® M70**, MDI-based isocyanate, reddish brown
- Filler **Biresin® Spachtel braun Neu**, two-component-polyester-system, brown

Processing Data		Component A	Component B
Individual components		Biresin® M72	Biresin® M70
Viscosity, 25°C	mPa.s	~ 15,000	~ 175
Density	g/cm³	0.76	1.23
Mixing ratio A : B	in parts by weight	100	45
		Mixture	
Mixed viscosity , 25°C		pasty after 10 - 15 sec	
Potlife, RT	min	10 (after machine application)	
Setting time (workable)	h	> 8	

Physical Data (approx. values)

Biresin® M72 (A) with component B			Biresin® M70
Density	ISO 845	g/cm³	0.9
Shore hardness	ISO 868	-	D 65
E-Modulus	ISO 178	MPa	700
Flexural strength	ISO 178	MPa	20
Impact resistance	ISO 179	kJ/m²	9
Glass transition temperature, Tg	ISO EN 61006	°C	47

Processing Data

Filler		Biresin® Spachtel braun Neu
Mixing ratio A : B	in parts by weight	100 : 2
Potlife, RT	min	5
Setting time, RT (workable)	min	> 20

Packaging

Individual components	Biresin® M72, (A)	150 kg; 30 kg net
	Biresin® M70, (B)	225 kg; 20 kg net
Filler	Biresin® Spachtel braun Neu, (A)	2 x 8.34 kg cartridges
		6 x 1.76 kg tins in a box
	BPO-Paste, (B)	2 x 0.16 kg sticks (for cartridges)
		6 x 0.04 kg tubes in a box (for tins)

Processing

- The material, processing and substrate temperature must be from 18 to 25°C.
- To avoid cracks in the paste, we recommend that the cured models and moulds should not be exposed to high temperature differences during storage and transport.
- Cured model paste layers can be modified and repaired with Biresin® Spachtel braun or weiß.
- For more processing informations see: Processing Instructions Biresin® PUR pastes.

Storage of raw materials and of the model / mould

- Minimum shelf life of the raw materials is 12 month under room conditions (18 - 25°C), when stored in original un-opened containers.
- Containers must be closed tightly immediately after use to prevent moisture ingress. The residual material needs to be used up as soon as possible.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

Disposal considerations

Product Recommendations: Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.

Packaging Recommendations: Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of as product waste.

Value Bases

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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