

Description:

epple 07153-new is a two-component, solvent-free cast resin on the basis of polyurethane with a very low pot-life. The low-viscous material cures to a tough mould and provides very good adhesion to metals and various plastics.

Application:

Being a tough cast resin with short pot-life, **epple 07153-new** is particularly suitable for the grouting of joints e. g. of edge protection profiles. Thanks to the high degree of hardness, the grouting will at the same time lead to a mechanical stabilization of the profile. Due to its short pot-life, **epple 07153-new** is designed for being applied by means of mechanical dosage.

Specific properties:

epple 07153-new can be used under high temperatures at coeval high humidity (e. g. 100°C / 98 % rel. humidity) over a longer period of time without impairing the functionality of the product. Even changing strains, e. g. between 100°C / 98 % rel. humidity and 20°C / 30 % rel. humidity, are possible depending on the other surrounding conditions.

Legal regulations:

Accordant to RoHS (2011/65/EU): yes

Application / Surface:

- The surface has to be clean and free from dust and grease.
- Decant component B into the tin of component A. Mix the two components thoroughly and homogeneously. Eventually fill over the mixture into another clean container and stir the material again.

Cleaning of tools:

Thinner 11

Packaging:

Tins

Basis / Characteristics

Components		Solvent-		Chemical Basis	
1-comp.	2-comp.	free	containing	Epoxy	Polyurethane

Properties of the liquid cast resin

Property	Component A	Component B	Following to standard
Viscosity	5-8 Pas	0.1-0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	2-6 Pas		DIN EN ISO 3219
Density	1.2-1.3 g/cm ³ / 20°C	1.2-1.3 g/cm ³ / 20°C	DIN 53479
Mixing rate	76 parts by weight 76 parts by volume	24 parts by weight 24 parts by volume	gravimetric volumetric
Colour of mixture	black		-
Loss on drying up to 140°C	-		
Pot life	2-4 min		DIN VDE 0291-2
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5-30° C. Stir-up before use.		

Diese Druckschrift soll Sie beraten. Die darin gemachten Angaben entsprechen unserem besten Wissen, jedoch kann eine Verbindlichkeit daraus nicht hergeleitet werden.

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Properties of the cured cast resin

Property	Value	Following to standard
Hardness (after 7 days at 20°C) Shore-A Shore-D Pendulum hardness / König	- 61-71 40-60 s	DIN 53505 DIN 53505 DIN 53157
Storage / weight loss 150 ° C / 7 days / air	1.8-2.8 %	epple-standard
Temperature resistance (after 7 days at 20°C)	-25°C to +150°C	
Absorption of water 20 ° C / 7 days	0.3-0.4 %	ISO 62
Chemical resistance (after 7 days at 20°C)	Water ATF-oil	epple-standard

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