

Description:

epple 06789-new / V1 / red is a two-component, solvent-free cast resin on the basis of epoxy. The optimized product contains no Nonylphenol.

It is low-viscous and of very long pot life. **epple 06789-new / V1 / red** cures to a tough mould with balanced mechanical properties.

Application:

Thanks to its very long pot life and the low temperature increase during the curing process, **epple 06789-new / V1 / red** is suitable for the grouting of large volumes, e. g. for the grouting of the coil-cavities in electric motors of any size. The combination of its long pot life and its low viscosity makes it furthermore suitable for the grouting of complex structures, as it enables also the inherent air to evaporate. **epple 06789-new / V1 / red** is particularly suitable for the grouting of components subject to heavy temperature fluctuation.

Specific properties:

In some cases, **epple 06789-new / V1 / red** is applied at temperatures of even below -25 °C without showing any cracks or changes during reheating. Before applying the product under such conditions, we recommend comprehensive own trials, as interaction with other materials cannot be foreseen.

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:

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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	10-13 Pas	0,1 Pas	DIN EN ISO 3219
Viscosity of mixture	2,5-3,0 Pas		DIN EN ISO 3219
Density	1,6-1,7 g/cm ³ / 20°C	1,0-1,1 g/cm ³ / 20°C	DIN 53479
Mixing rate	87 parts by weight 81 parts by volume	13 parts by weight 19 parts by volume	gravimetric volumetric
Colour of mixture	red		-
Loss on drying up to 140°C	-		
Pot life	115-125 min		DIN VDE 0291-2
Storage	12 months in closed original containers, stored in a dry and cool but freeze-proof place (Ideal storage temperature: 5-30° C).		

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	78-88 67-77 85-115 s	DIN 53505 DIN 53505 DIN 53157
Temperature resistance	-25°C to +120°C	
Absorption of water 20 ° C / 7 days	0,45-0,65 %	ISO 62
Chemical resistance (after 7 days at 20°C, max. 3 months)	Water ATF-oil Petrol, RME	epple-standard

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