

Description:

epple 06908 is a two-component, solvent-free cast resin on the basis of epoxy. The low-viscous material cures to a transparent mould.

Application:

epple 06908 is suitable for the grouting of components subject to moderate temperature strain. It protects against mechanical influences and humidity. In industry it is mainly used for the grouting of temperature sensors.

Specific properties:

epple 06908 is characterized by its high uv-resistance. It provides good bonding to metals (except precious metals), wood, concrete and various plastics. The resin remains elastic after curing, even at damp conditions.

Legal regulations:

Accordant to RoHS (2011/65/EU and 2015/863): yes

Application / Surface:

- The surface has to be clean and free from dust and grease.
- If component A got opaque, put the tin for 2 hours at 60 °C before mixing (with component B).
- 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	2 – 4 Pas	0.1 – 0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	0.5 – 3 Pas		DIN EN ISO 3219
Density	1.1 – 1.2 g/cm ³ / 20 °C	1.0 – 1.1 g/cm ³ / 20 °C	DIN 53479
Mixing rate	68 parts by weight 66 parts by volume	32 parts by weight 34 parts by volume	gravimetric volumetric
Colour of mixture	Transparent		-
Loss on drying up to 140°C	-		
Pot life	35 – 55 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.		

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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	- 71 – 81 164 – 194 s	DIN 53505 DIN 53505 DIN 53157
Temperature resistance (after 7 days at 20 °C)	-25 °C to +120 °C	
Absorption of water 20 °C / 7 days 100 °C / 30 min	0.8 – 1.0 % 0.2 – 0.3 %	ISO 62
Chemical resistance (after 7 days at 20 °C)	Water Detergent Mineral oil Diluted bases Higher alcohols	epple-standard

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