

### Description:

**epple 07145** is a two-component, solvent-free cast resin on the basis of epoxy. This low-viscous, red product deaerates itself and penetrates into even smallest cavities.

### Application:

Thanks to its good deaeration and flowing behaviour, **epple 07145** is particularly suitable for the grouting of component parts with complex structures, as well as for the moulding of components.

**epple 07145** can furthermore be used for applications subject to high thermal fluctuation, e. g. for the protection of heavy-duty components, for the casting of moulds and for the grouting of larger cavities.

### Specific properties:

**epple 07145** cures to a tough, blister-free mould with good mechanical properties and good resistance against a wide temperature range.

### 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.
- 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.
- If possible, stir-up the components before use.

### Cleaning of tools:

Thinner 11

### Packaging:

Tin

### 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	0.6 – 0.8 Pas	0.1 – 0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	0.3 – 0.5 Pas		DIN EN ISO 3219
Density	1.1 – 1.2 g/cm <sup>3</sup> / 20 °C	1.0 – 1.1 g/cm <sup>3</sup> / 20 °C	DIN 53479
Mixing rate	68 parts by weight 65 parts by volume	32 parts by weight 35 parts by volume	gravimetric volumetric
Colour of mixture	red		-
Loss on drying up to 140 °C	0 %		
Pot life	60 – 160 min		DIN VDE 0291-2
Storage	24 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 – 30 °C. Please stir-up the components 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
<b>Hardness</b> (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	>90 75 – 85 -	DIN 53505 DIN 53505 DIN 53157
<b>Temperature resistance</b> (after 7 days at 20 °C)	-	
<b>Absorption of water</b> 20 °C / 7 days 100 °C / 30 min	0.1 – 0.3 % -	ISO 62
<b>Chemical resistance</b> (after 7 days at 20 °C)	water ATF-oil motor oil	epple-standard

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