

PERMACOL[®] 2520 A/B**2-component heat conductive casting resin**

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Description

Permacol[®] 2520 A/B is a 2-component epoxy casting resin, free of solvents, with excellent heat conductivity.

This casting resin is used to cast electrical circuits and components, where heat is an issue. This casting resin bonds excellent to metals, wood, glass, en several rigid plastics.

Permacol[®] 2520 A/B is cold curing, therefore complete curing takes place at room temperature.

Important properties

- Heat conductive
- Electrical insulating
- Curing at room temperature
- Low viscosity
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Technical data

Mixing ratio A : B	: 100 : 30
Viscosity A-comp	: 15.000 mPa.s
Viscosity B-comp	: 650 mPa.s
Viscosity of the mixture	: 2.000 – 3.000 mPa.s
Pot life at 23°C	: ca. 30min
Curing time at 23°C	: ca.24 h
Heat conductivity coefficient	: > 1 W.m.K
Volume resistivity	: > 10 ^{E14} Ω.cm
Temp resistivity	: -30 to 140°C
Hardness	: 85°D Shore
Density A-comp.	: 2,00 g/cm ³
Density B-comp.	: 1,46 g/cm ³

Handling

Wear gloves during handling, epoxy may cause allergic reactions after skin contact.

1. Surfaces have to be clean, dry and free of grease.
2. Do not mix to large quantities due to exothermal reaction.
3. Weigh both components and mix in accordance to mixing ratio.
4. Stir steady and calmly, until there is a homogenous product. It might be necessary to put the product under vacuum to avoid bubbles.
5. The casting resin needs to be applied within 30min.

Storage

Stored in well closed packaging, dry, at 10-25°C, the product is tenable for 6 months.

Packaging

2 x 500 ml tin

2x 1kg tin

Other packaging on request.

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