

**Two components
Electrically conductive adhesives**

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PERMACOL[®] 2810 A/B**Main characteristics**

The PERMACOL[®] 2810 A/B is a two-component electrically conductive adhesives that can be used when an electrically conductive connection is to be established. This product cures at relatively low temperatures and achieves high electrical conductivity and offers good adhesion properties to a variety of materials. After curing, this adhesives is stable and resistant to moisture and higher temperatures.

PERMACOL[®] 2810 A / B is flexible and suitable for applications such as flexible foils.

Technical data

Base:	Epoxy
Color:	Silver
Viscosity after mixing (23 ° C):	20,000 mPa · s
Particle size:	<50 microns
Mass mixing ratio:	100: 100
Method of application:	dispensing / screen-printing
Pot life at 25 ° C:	1-2 hours
Curing:	20 ° C for 48 hours 50 ° C for 14 hours 70 ° C for 8 hours 80 ° C for 1 hour 100 ° C for 30 minutes

Temperature resistance: - 40 ° C to + 120 ° C
post-cured for 30 min at 100 ° C: - 40 ° C to + 160 ° C

Volume resistivity (Ω.cm)
after curing at 150 ° C: <5x10⁻⁴
Hardness: 70 ° Shore D

Curing at temperatures below 70°C will yield a lower electrical conductivity. In order to obtain a higher electrical conductivity, it is possible to perform a post-cure at elevated temperatures to achieve higher electrical conductivity and temperature resistance.

Safety & handling

Read the medical safety datasheets (MSDS) before use.

Storage and shelf life

Depending upon the storage, the two components can separate, it is important to stir both components separately until a homogeneous mass is created.

In order to obtain optimal adhesive properties, it is important that both components are accurately weighed and mixed in the correct ratio.

In tightly closed container, best stored at 20 ° C. Shelf life is 12 months.

Packaging

- 2x 20 gram jars
- 2x 30 gram jars
- 2x 50 gram jars or double syringe
- Other sizes and packages on request.

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