Elecolit® 3036 is a silver-filled, solvent-free 2K epoxy resin adhesive with a potlife of 2-3 hours. The mixing ratio is 1:1 w/w. This adhesive may be processed with dispensers, stamps or through screen printing. Curing occurs at room temperature already, increased heat yields very short curing times.

Elecolit® 3036 provides optimum solutions for cold curing applications thanks to excellent conductivity and gap filling attributes.

Thanks to its lower filling level Elecolit® 3036 is the more reasonably priced alternative compared to Elecolit® 3025.

**Shelf life:**
- 6 months at 5°C

**Technische Daten:**
- Color: silver
- Resin: epoxy
- Filler: silver

**UNCURED PROPERTIES**
- Viscosity: paste-like
- Flash point:
- Pot-Life [min.]: approx. 120
- Density [g/cm³]: approx. 2.8

**Curing**
- 16 hours at 25 °C: 0.02 Ohm x cm
- 2 hours at 50 °C
- 30 minutes at 100 °C
- 15 minutes at 120 °C
- 5 minutes at 150 °C: 0.001 Ohm x cm

**CURED PROPERTIES**
- Temperature Resistance [°C]
- Hardness [Shore D]
- Volume resistivity [Ohm x cm]
- Water Absorption [mass-%]
- Tg [°C] (DSC)
- CTE [ppm/K]
- Thermal conductivity [W/m-K]

Generally the guidelines for application, storage etc. as mentioned in our general data sheet for Elecolit® are valid.

Panacol-Elosol GmbH · Daimlerstr. 8 · 61449 Steinbach · Tel. 00496171/6202-0 · Fax 00496171/6202-590 · e-mail: info@panacol.de
TECHNICAL DATASHEET

Elecolit® 3036

Mechanical Data

Lap Shear Strength (Stahl/Stahl, 15' 120°C) [MPa] approx. 17.4
Lap Shear Strength (Stahl/Stahl, RT Härtung) [MPa] approx. 13.1

Instructions for Use

Surface Preparation
The surfaces to be bonded should be free of dust, oil, fat or any other dirt in order to optimise reproducible results. Lightly soiled surfaces can be cleaned with cleaner IP to create a suitable working surface.

Application
Our Elecolit 2-C products are delivered in separate packing units. Resins can crystallise at deep temperature storage- this process will be reversible by heating for 1 hour at 40°C.
The components A and B have to be homogenised well, weigh out in mixing ration and homogenised with each other for min. 2 minutes.
From now, the pot life time starts and the adhesive has to be applied rapidly.
You can dispense or use them for screen printing processes.

Curing
For curing heat must be applied. In some cases they will cure even at room temperature. But higher temperature will reduce the curing time. For detailed curing information, please look into the technical data sheet. Higher curing temperature will lead to better electrical conductivity and less volume resistivity.

If help is required, please contact our engineering department.
Please read the corresponding Safety Data Sheet for this product.

Generally the guidelines for application, storage etc. as mentioned in our general data sheet for Elecolit® are valid.

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