Elecolit® 3025 is a silver-filled, solvent-free 2K epoxy resin adhesive with a potlife of 2 hours. 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® 3025 provides optimum solutions for cold curing applications thanks to excellent conductivity and gap filling attributes.

**Shelf life:**
6 months at 5 °C

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

**UNCURED PROPERTIES**
- Viscosity: paste-like
- Flash point: approx. 120
- Pot-Life [min.]: PE-Norm P019
- Thixotropy Index (): PE-Norm P061

**Curing**
- 16 hours at 25 °C
- 2 hours at 50 °C
- 30 minutes at 100 °C
- 15 minutes at 120 °C
- 5 minutes at 150 °C

**CURED PROPERTIES**
- Temperature Resistance [°C]: PE-Norm P030
- Hardness [Shore D]: PE-Norm P052
- Volume resistivity [Ohm x cm]: ASTM-D-257-93
- Water Absorption [mass-%]: PE-Norm P053
- Tg [°C] (DSC): PE-Norm P009
- CTE [ppm/K]: PE-Norm P017
- Thermal conductivity [W/m·K]: ASTM 1530

-40 to 150
-70 to 80
-0.05
-< 0.5
-45 to 75
-31
-2.1
TECHNICAL DATASHEET

Elecolit® 3025

Mechanical Data

Lap Shear Strength (Steel/Steel (RT Curring)) [MPa] [PE-Norm P013] approx. 11.6
Lap Shear Strength (Stahl/Stahl (20´ bei 120°C)) [MPa] [PE-Norm P013] approx. 14.8
Lap Shear Strength (Alu/Alu (20´ bei 120°C)) [MPa] [PE-Norm P013] approx. 10.3

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 crystallize 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.