Structalit® 5893 can be used as thermal curable 1-C glop top product or as dieattach that cures fast at low temperatures. The product features excellent shock resistance. Particle size: Maximum 150 my.

Structalit® 5893 can be stored at 5°C for 9 months in unopened containers. The product tends to crystallize, a process that can easily be reversed at 40°C for 1 hour.

### Technical Data
- **Color**: black
- **Resin**: 1K-Epoxy
- **Filler**: approx. 35% quartz

### UNCURED PROPERTIES
- **Viscosity (Brookfield LVT/25°C) [mPa*s]**
  - PE-Norm P001: 6000 to 10000
  - PE-Norm P050: > 100
  - PE-Norm P051: approx. 1.5
- **Flash point [°C]**
  - PE-Norm P001: 30
  - PE-Norm P050: 100
  - PE-Norm P051: approx. 60
- **Density [g/cm³]**
  - PE-Norm P001: 6000 to 10000
  - PE-Norm P050: > 100
  - PE-Norm P051: approx. 1.5

### Thermaical Curing
- 3 minutes at 150 °C
- 10 minutes at 120 °C
- 20 minutes at 110 °C
- 45 minutes at 100 °C

### CURED PROPERTIES
- **Temperature Resistance [°C]**
  - PE-Norm P030: -40 to 180
  - PE-Norm P052: 80 to 90
  - ASTM-D-257-93: 1E+16
- **Hardness Shore D**
  - PE-Norm P053: < 0,11
  - PE-Norm P009: 110 to 130
  - PE-Norm P017: 25
  - PE-Norm P054: 3.3
  - ASTM 1530: 0,5
  - PE-Norm P055: 18.5
- **Volume resistivity [Ohm x cm]**
  - PE-Norm P054: 3.3
- **Water Absorption [Gew-%]**
  - PE-Norm P054: 3.3
- **TG DSC [°C]**
  - PE-Norm P054: 3.3
- **Thermal Expansion [ppm/K]**
  - PE-Norm P054: 3.3
- **Dielectric Constant [10kHz]**
  - PE-Norm P054: 3.3
- **Thermal conductivity [W/mK]**
  - PE-Norm P054: 3.3
- **Dielectric Strength [kV/mm]**
  - PE-Norm P054: 3.3