



Pyro-Duct 597-A (Adhesive)/Pyro-Duct-C (Coating)

Rev: 04/18

Description

Pyro-Duct 597-A / C is a silver-filled, high-temperature-resistant 1-component adhesive or coating. This adhesive is suitable for various applications.

Pyro-Duct 597-A / C are characterized by the following properties:

- Unmatched electrical resistance
- Bonding with ceramics, metals and glass substrates
- Very high electrical conductivity
- Very high temperature resistance

Technical Data

Characteristics	Pyro-Duct 597-A	Pyro-Duct 597-C
Resin-Type	Ceramic	Silicon
Filler	Silver Flakes	Silver Flakes
Viscosity	Pastös	4 – 8 g/cm-s bei RT
Spec. weight	2.3 g/cm ³ bei RT (Mixed)	2.0 g/cm ³ bei RT (Mixed)
Operating temperatur	+927 °C	+927 °C
Volume resistance	0.0002 Ohm-cm	0.0002 Ohm-cm
Thermal conductivity	9.1 W/m/°K	9.1 W/m/°K
Colour	Silver	Silver

Handling

All surfaces must be free of oil, grease, dirt, corrosive substances, oxides and other foreign substances. Non-porous surfaces can be sanded, sandblasted or etched.

Mix the adhesive thoroughly before use until it is completely homogeneous.

Only use thin layers when used as a coating.

Curing Pyro-Duct 597-A

- Air drying for 2 hours at room temperature.
- Treat for 2 hours with the addition of heat at 90 ° C.
- Before removing from the oven, let the oven temperature cool down slowly.
If it is removed too quickly, temperature shocks can occur!

Curing Pyro-Duct 597-C

- 1 hour air drying at room temperature.
- Treat for 30 min with the addition of heat at 250 ° C.
- Before removing from the oven, let the oven temperature cool down slowly.
If it is removed too quickly, temperature shocks can occur!

Alle hier gemachten Angaben dienen der Information und sind keine rechtsverbindlichen Zusagen. Sie entbinden den Anwender nicht von eigenen Vorversuchen.
Wir haften nicht für Verarbeitungsergebnisse.

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