



Pyro-Duct 598-A (Adhesive)/Pyro-Duct 598-C (Coating)

Description

Pyro-Duct 598-A/C is a nickel filled high temperature resistant 1-K adhesive.

This product is characterized by the following properties:

- Low price compared to precious metal based adhesives
- High electrical conductivity
- High strength bonding with ceramics, metals and glass
- Cures at only 100 °C
- High temperature resistance

Technical Data

Characteristics	Pyro-Duct 598-A	Pyro-Duct 598-C
Resin Type	Ceramic	Ceramic
Filler	Nickel Flakes	Nickel Flakes
Service Temperature	538 °C Continuous	Continuous
Mixed Viscosity	200 – 250 g/cm/s at RT	4 – 6 g/cm/s at RT
Spec. Gravity	2.8 g/cm ³ at RT (mixed)	1.5 g/cm ³ at RT (mixed)
Volume Resistivity	0.005 Ohm-cm	0.005 Ohm-cm
Thermal Conductivity	2.6 W/m-K	2.6 W/m-K
Particle Size	< 0.02 mm	< 0.02 mm
Components	1	1
Colour	Dark Grey	Dark Grey

Handling

The surfaces to be bonded must be free of any dirt, dust, oil, etc. Before use, mix the adhesive thoroughly until completely homogeneous.

Apply the adhesive to both joint surfaces at a thickness of less than 0.250 mm.

After assembly, both parts should be secured to prevent distortion and reduce air pockets.

Hardening

- 2 hours air cure at RT
- Place in the cold oven and slowly heat up to 90 °C.
- Keep at 90 °C for 2 hours.
- Before removing, allow the oven interior temperature to cool slowly to about 50 °C. Thermal shocks may occur if the temperature changes too quickly.

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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Erfüllungsort ist Sitz des Lieferanten. Die Ware bleibt bis zur restlosen Bezahlung Eigentum des Lieferanten. Es gelten unsere Geschäftsbedingungen