



Rev.: 04/18

Ceramacoat 512-N

Description

Ceramacoat 512 is a 1-K ceramic adhesive and coating compound based on silicate. This product convinces with its excellent adhesive strength and the possibility to be thinned to any consistency using a thinner.

Ceramacoat 512 is primarily used for ceramics, tight temperature protective coatings on various metallic materials, e.g. nozzle- or rocket engines, as well as electrical components and for closing of porous ceramics.

This product is also used as an adhesive for glass / metal connections and metal / metal connections.

Technical Data

Characteristics	Ceramacoat 512-N
Main Components	Ceramic - Anorganic
Max. Temperature	1320 °C
Viscosity	600 – 800 g/cm/s
Spec. Weight	ca. 1.98 g/cm ³
CTE	11.2 in/in/°C x 10 ⁻⁶
Dielectric Strength	6.3 KV/mm bei RT
Solids by Weight	75.9 %
Solids by Volume	55 %
Wet Film Thickness	0.0462 mm
Dry Film Thickness	0.0254 mm
Application Temperature	10 – 30 °C
Volatile Organic Compounds	0.00 g/cm ³
Colour	Grau – weiß
Thinner	Thinner 512-N-T

Handling

Clean the surfaces of rust, grime, fat, oil and if needed roughen up the surface.

The application can be done using a brush or dispenser, depending on consistency and application.

Hardening

- 2 – 4 Hours air cure
- 2 – 4 Hours heat cure at 90 °C
- 1 – 2 Hours heat cure at 175 °C
- 1 Hour final cure at 260 °C

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