



### Ceramabond 600

#### Beschreibung

Ceramabond 600 is a thixotropic, 1-K putty based on aluminium oxide. Ideal for repairing, filling, coating and bonding of refractory parts, ceramic and porous fibreglass mesh. Ceramabond 600 can be applied with paste dispensers, pressure guns, spatula. Some typical applications for Ceramabond 600 are:

- Repair of refractory walls
- Filling of pores and cavities in metallic and ceramic moulds and models
- Threadlocker for high temperature fastening
- Repair of gas boreholes
- Adhesive coatings for insulation of ceramics, glass fabric, conveyor belts and round parts

#### Technical Data

Characteristics	Ceramabond 600
Main Component	Aluminium Oxide
Max. Temperature	1370 °C (Periodically up to 1760 °C)
Spec. Weight	2.16 g/cm <sup>3</sup> at RT
Thermal Conductivity	7.6 W/m/°K
Volume Resistivity	10 <sup>9</sup> Ohm/cm at RT 10 <sup>5</sup> Ohm/cm at 540 °C
CTE	7.6 cm/cm/°C x 10 <sup>-6</sup>
Dielectric Strength	8.0 KV/mm at RT 3.2 KV/mm at 540 °C
Moisture Resistance	Good
Alkali Resistance	Good
Solvent Resistance	Very Good
Acid Resistance	Acceptable
Oxidation Resistance	Very Good
Thermal Shock Resistance	Very Good
Hardness	5 Moh's Scale

#### Handling

Roughen surfaces to be coated, if necessary sandblast. Clean surfaces completely from grease, oil, dirt, etc. Stir Ceramabond 600 well before use.

Stir slowly so that no air bubbles are formed. Apply with a spatula, putty knife or pressure gun. Larger parts should be coated with several thin coats to avoid air pockets or cracks.

#### Hardening

- 2 hours air cure – for thin layers
- 4 hours air cure – for thicker applications
- 3 hours heat cure 95 °C

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Wir haften nicht für Verarbeitungsergebnisse.

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