

Ceramabond 571

Description

Ceramabond 571 is a ceramic, magnesium oxide based 2-K adhesive.

This adhesive is characterized by its high thermal expansion, which enables Ceramabond 571 to bond metal to glass.

The coefficient of thermal expansion is close to that of nickel, Inconel, copper and steel.

This adhesive dries quickly when exposed to air and usually does not require heat curing. However, it is recommended to do so if possible.

Technical Data	
Characteristics	Ceramabond 571
Main Components	Magnesium Oxide
Max. Temperature	1760 °C
Components	2
Mixing ratio	60 : 40 (Powder : Liquid)
Mixed Viscosity	200 – 900 g/cm ³
CTE	12.6 cm/cm/°C x 10 ⁻⁶
Dielecetric Strength	3.58 KV/mm at RT
Spec. Resistance	10 ⁹ Ohm/cm at RT
	10 ⁵ Ohm/cm at 540 °C
Moisture Resistance	Excellent
Alkali Resistance	Good
Acid Resistance	Acceptable
Oxidation Resistance	Excellent
Organic Solvent Resistance	Excellent
Hardness	5.5 Moh's Scale

<u>Handling</u>

All surfaces to be bonded or coated must be free of dirt, grease or oil. If possible, roughen surfaces. The adhesive must be mixed thoroughly and homogeneously before use, but under avoidance of excessive stirring. Caution, mixed in air has negative effects on the application. Always apply Ceramabond 571 to the surfaces to be bonded evenly in one layer with a spatula, brush, by spray application or with a manual or automatic dispenser. Immediately after application, join the parts together uniformly to obtain an even adhesive film.

Hardening

- 1 4 hours air cure
- 2 hours heat cure at 90 °C

Cust. Center + Delivery address Banking account Banking account Invoice address Phone HQ +49 (0)511 353982-0 Mail T-E-Klebetechnik T-E-Klebetechnik infotek@t-e-klebetechnik.de Nord-LB Postgiro Fax +49 (0)511 353982-40 UST-ID-No.: DE 115640309 Internet: H.-P. Thielen H.-P. Thielen IBAN: DE06 2505 IBAN: DE46 2501 Vahrenwalder Str. 131 Eckenerstr. 9 0000 0101 0403 27 0030 0244 1893 00 D-30165 Hannover Hannover D-30179 Hannover EORI-No.: DE 5193265 www.t-e-klebetechnik.de BIC: NOLADE2HXXX BIC: PBNKDEF The Supplier's headquarters is the place of execution. The goods remain the property of the supplier until full payment has been received. BIC: NOLADE2HXXX BIC: PBNKDEFF General terms and conditions of purchase are valid and can be downloaded at www.t-e-klebetechnik.de/Images/AGB or AEB.