



TECHNICAL DATASHEET

Cerastil® C-3M

Cerastil C-3 M chemical setting polysilicate-based material. The cement sets rapidly producing a ceramic bond of exceptionally high strength even to temperatures of 2000°F. The resultant joints are often stronger than the substrates. Cerastil C-3 M is an excellent electrical insulator and is highly resistant to thermal shock. The cured cement is extremely stable in hostile gaseous environments. It is asbestos free and produces no toxic fumes or off gases.

USES:

it can be used to bond ceramics, metals, quartz and glass. It can be used for embedding resistance wires, sealing capacitors, insulation, thermocouples and coating resistors. The cement replaces insulation, varnishes, enamels, mica and resins for high heat protection. It is more economical than silicones and organic materials.

Storability for the powder at room temperature and dry bearing is 6 months.

Technical Data:

UNCURED PROPERTIES:

Colour:	beige
Resin:	CR
Filler	Quarz
Specific gravity :	2 g/cm ³
max. particle size:	250 µm
pot life:	.5 h
ph-Value:	11

CURED PROPERTIES:

Temperature max:	1100 °C
compressive strength:	28.1 N/mm ²
Shrinkage:	0.8 %
Water Absorption:	1.2 %
Coefficient Of Thermal Expansion:	7 ppm/K
Thermal conductivity :	0.85 W/mK
Dielectric strength:	1.2 kV/mm

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and more...

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As a rule, the guidelines for application, storage and so on contained in our general Data Sheet on Cerastil® apply.

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GUILBOT