

Cerastil ® C-13 is a single component, chemical setting, inorganic cement. When mixed with tap water, it develops outstanding bonding characteristics to metals, ceramics, glass, and quartz.

C-13 has a very low sodium content, does not react with the finest resistance wires, nor does it have a tendency to migrate through glass or quartz envelopes. It produces superior electrical insulation properties due to its fine-grained, tightly knit, high-density structure.

C-13 is a moderately good conductor of heat, is very resistant to thermal fatigue, and can withstand temperatures up to 2800 °F (1538 °C). It is also impervious to oils, greases, and resins.

C-13 is the cement of choice by leading manufacturers in the OEM production of lamps, appliances, electrical switchgear, resistive heaters, electronic components, potting, binding, and casting of insulators.

The mixing rate with deionized water is 100 parts powder :14 parts water.

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

Technical Data:

UNCURED PROPERTIES:

Colour:	grey
Resin:	CR
Filler	Korngröße 100µm
Specific gravity :	1,8 g/cm ³
max. particle size:	50 µm
pot life:	1 h
Full Strength	after 7days
ph-Value:	5

CURED PROPERTIES:

Temperature max:	1500 °C
compressive strength:	35 N/mm ²
Shrinkage:	0.2 %
Water Absorption:	2 %
Coefficient Of Thermal Expansion:	9.4 ppm/K
Thermal conductivity :	1.4 W/m·K
Dielectric strength:	2.5 kV/mm

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