

MINING / CONSTRUCTION

Capcem™ KT Fast 2 C

SEALANT COATING

DESCRIPTION

Capcem™ KT Fast 2C is supplied as separate cement and polymer components. The product is spray applied and cures rapidly to a light grey colour with high adhesion characteristics to a variety of substrates.

Capcem™ KT Fast 2C meets the requirements of SANS 0177 Part 3 – Surface Fire Index of Finishing Materials, and NES 713-Toxicity of Combustion Products.



APPLICATION AND USE

Capcem™ KT Fast 2C provides a protective, light grey, coating to rock, coal, or concrete surfaces which are susceptible to deterioration on exposure. Capcem™ KT Fast 2C is especially recommended for stabilisation of burnt coal surfaces. A fast rate of strength development also allows rapid development of support.

ADVANTAGES

- Highly adherent
- Rapid strength development, within 2 hours after spraying
- Based on conventional cement and water-based polymer, solvent-free
- Non-toxic and non-flammable

TECHNICAL DATA

PHYSICAL PROPERTIES (ALL COMPONENTS AT 25°C)

Parameter	Value
Pump Life	40 minutes
Fresh Wet Density	1777 kg/m ³

STRENGTH DEVELOPMENT (25°C) – TYPICAL

Parameter	Value
Tensile Adhesive (28 day)	2.5 MPa
Tensile Adhesive (56 day)	5.4 MPa

STRENGTH DEVELOPMENT (25°C) – TYPICAL

Age	Compressive Strength (MPa)	Tensile Strength (MPa)
2 Hours	8.9	1.94
4 Hours	11.9	-
24 Hours	14.4	2.38
7 Days	20.9	2.7
28 Days	35.2	4.7
56 Days	37.3	5.4

COVERAGE GUIDE

Cement Powder (supplied in kit) (kg)	Polymer Liquid (supplied in kit) (litres)	Yield (litres)
19	5	13.5

13.5 Litres - yield 3.4 m² at 4 mm thick

Note: These figures are for guidance only. Actual coverage will depend on the texture and porosity of the surface being covered.

APPLICATION METHOD

Empty the contents of one of the bottles of the liquid polymer followed by the contents of one of the bags of the cement component alternately until the mixer is sufficiently full, then start mixing, e.g. three bottles of polymer with three bags of the cement. Continue mixing until a smooth homogeneous mix is achieved, usually after about two minutes. Start spraying preferably whilst mixing continues.

All surfaces to be covered must be free of dust and loose material before application of Capcem™ KT Fast 2C. Wash down surfaces thoroughly and bar solid.

This product can quite easily be applied 8 mm thick in one application.

Mixing requires the addition of 5.0 litres polymer per 19 kg bag Capcem™ KT Fast 2C.

Equipment can be cleaned with water immediately after use. Cured material can be removed only by mechanical means.

SAFETY INSTRUCTIONS AND LIMITATIONS

Capcem™ KT Fast 2C is non-toxic but is mildly alkaline. Goggles, gloves and dust masks should be worn during application. Splashes on skin or eyes should be removed with clean water. In case of splashes in the eyes, seek medical advice immediately; refer to the Material Safety Data Sheet for further information.

PACKAGING AND TRANSPORTATION

Capcem™ KT Fast 2C is supplied as a kit containing both the cementitious powder (19 kg) and bottles of the polymer liquid (5 litres).

STORAGE AND SHELF LIFE

Capcem™ KT Fast 2C has a shelf life of 12 months when stored in cool, dry conditions. To prevent degradation of packaging, store away from direct sunlight.

DISPOSAL

Follow local regulations.

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ADDITIONAL DOCUMENTATION

- MSDS of Capcem™ KT Fast 2 C

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
- CZECH REPUBLIC: Minova Bohemia s.r.o.
- FRANCE / BELGIUM: Sales office Minova France / Belgium
- GERMANY: Minova CarboTech GmbH
- ITALY: Minova CarboTech GmbH Italy branch
- KAZAKHSTAN: Minova Kazakhstan LLP
- POLAND: Minova Ekochem S.A.; Minova Arnall Sp. z o.o.; Minova Ksante Sp. z o.o.
- RUSSIA: ZAO "Carbo-ZAKK"
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- APAC: Minova Australia Pty Ltd.
- AMERICAS: Minova USA Inc.

CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

www.minovaglobal.com