

Protective and Support Coating

Uses

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

Advantages

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

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 good adhesion characteristics to a variety of substrates.

Application Instructions

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, about two minutes. Start spraying preferably whilst mixing continues.

Preparation

All surfaces to be covered must be preferably dry, and free of dust and loose material before application. Wash down surfaces thoroughly and bar solid.

Properties (all components at 25°C)

Pump Life : 40 minutes

Fresh Wet Density 1777 kg/m³

Strength Development (25°C) - typical

AGE	COMPRESSIVE STRENGTH (MPa)
2 hours	8.9
4 hours	11.9
24 hours	14.4
7 days	20.9
28 days	35.2

Tensile Strength (28 day) : 4.0MPa

Tensile Adhesive (28 day) : 2.2MPa

Mixing and Estimating

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

PACK SIZE	
POWDER	POLYMER
19kgs	5 litres
YIELD	
13.5 litres	

Curing

In common with all cementitious materials, Capcem KT Fast 2C must be cured, preferably at high humidity.

Cleaning

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

Coverage guide to Capcem KT Fast 2C quantities

13.5 Litres yields 3.4m² at 4mm thick

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

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

Storage/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.

Precautions**Health and Safety**

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.

Technical Support

Minova RSA provides a technical advisory service supported by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

Additional information

Minova RSA is a market leader specialising in the supply of high performance chemical products for the mining and tunnelling industries.

Minova RSA range of mining products includes anchoring and backfill systems, bagged cement products, high yield grouts, mine sealants, equipment and accessories, for which a product brochure is available on request.

Important note

Minova RSA products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Minova RSA endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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