

Cempatch KF

One component polymer modified cementitious crack filling mortar



Description

Cempatch KF is a one component acrylic polymer modified powder. When mixed with water Cempatch KF produces a highly consistent, smooth, trowellable mortar.

Applications

- ▲ Filling cracks in both interior and exterior concrete, masonry and plaster surfaces.
- ▲ As pore sealer and leveling mortar.
- ▲ To produce a uniform surface for subsequent paint finish.

Advantages

- ▲ Shrinkage controlled polymer modified cementitious repair mortar which reduces any potential cracking.
- ▲ Easy to apply, single component which requires only addition of water.
- ▲ Excellent adhesion to concrete, no independent primer or curing is required.
- ▲ Compatible with other types of protective coatings.
- ▲ Can be applied to small edge thicknesses.
- ▲ Suitable for internal and external applications.
- ▲ Cost effective, hand applied no formwork is required.
- ▲ Non-toxic.

Method of Use

Substrate Preparation

Cut the cracks into 6 mm deep V-grooves. Clean the grooves thoroughly by brush and/or compressed air. The prepared area should be soaked with water immediately prior to the application of Cempatch KF.

Priming

No independent primer is required.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. 1 kg of Cempatch KF is added slowly to 250 - 300 ml of clean water, and mixed until a homogeneous mortar of smooth, creamy and trowable consistency is obtained.

Technical Properties:

Working life:	40 - 60 min @ 25°C 20 - 40 min @ 35°C
Setting time:	2 - 3 hr
Colour:	Grey & white
Coefficient of thermal expansion:	6.5 to 12 × 10 ⁻⁶ m/1°C
Mixed density:	1.85 ± 0.1 g/cm ³
VOC:	< 20 g/ltr

To enhance the scratch resistance of Cempatch KF, an addition of Cempatch SBR is advisable. 50% of the total mixing water shall be replaced by Cempatch SBR.

Placing and Finishing

Fill the prepared cracks tightly with the mortar using a small trowel or putty blade and finish to a level surface. Remove excess mortar with clean moist sponge or soft cloth before drying.

Cleaning

All tools should be cleaned immediately after finishing with water. Hardened materials can be cleaned mechanically.

Packaging

Cempatch KF is available in 0.5 and 1 kg packs.

Yield

1 kg will fill approximately 30 - 40 m length of cracks cut into 6 mm deep V-grooves.

Storage

Cempatch KF has a shelf life of 6 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.



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Cautions

Health and Safety

As a powder containing Portland cement, Cempatch KF may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

Fire

Cempatch KF is nonflammable.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.



Note:

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