

TECHNOFIL™

Crack Filling Mortar (Quick Setting)

Technical Data Sheet

Advanced Geopolymer Based – Contains No Portland Cement or Organic Resins

TECHNOFIL is a proprietary blend of minerals and inorganic polymers with non shrink properties used for crack filling up to 15mm wide cracks in concrete, masonry and plastered surfaces. It is a single component powder that is water activated. It does not contain any Portland Cement or Resin.

- Quick Setting with high early strength
- Repaired surface can be painted after 1 hour
- No priming or curing required
- Superior adhesion and Forms tenacious bond with host Material
- 100% water proof (suitable for Interior & Exterior applications)
- Prevents further crack propagation
- Contains no Cement or Resin and hence Eco friendly material

Repaired area can be painted or further processed in Just 1 hr



PHYSICAL PROPERTIES:

SET TIME (at 30°C)

Initial Setting time : 15-Minutes
Final Setting time : 30-Minutes

*Set time will be shortened at higher temperature site conditions and will be delayed at lower temperature site conditions.

COMPRESSIVE STRENGTH (at 30°C)

2Hrs : 10 MPa
24Hrs : 25 MPa
7 Days : 30 MPa
28 Days : 35 Mpa

*Strengths will be marginally higher at higher temperature site conditions and marginally lower at lower temperature site conditions than the above specified value of 30°C

BOND STRENGTH TO CONCRETE

24 hrs : 4MPa

SHRINKAGE

None

OPEN POROSITY

Less than 1%

UNIT WEIGHT

2100Kg/m³

COLOUR

Grey

COVERAGE

1Kg will cover crack length of 2 metres at 15mm depth and 15mm width

Quicker ...

Stronger ...

Greener ...

An ECO Friendly Product
(Does not contain Cement or Resin)

SURFACE PREPARATION

Cut the cracks into 10-15 mm deep V-grooves. Clean the grooves with a wire brush to remove all loose particles. Sprinkle grooves with clean water.

MIXING GUIDELINE

- Use about 225 ml of water for 1Kg of Material. Mix the slurry for 2 minutes until a homogenous mix of smooth, creamy and trowel able consistency is obtained. Apply the mix in the repair area and remember to wash off all the equipment immediately.
- Increasing the water content more than specified will drastically affect the final properties of the product.
- For Vertical Crack Filling application add Sand to the Mix to get the Putty consistency.

Above mixing times are based on using 20°C to 27°C temperature mixing water. During usage of higher temperature water for mixing, the mixing time to be shortened appropriately. The above mixing times are indicative only. Where mixing time is critical a trial mix is recommended.



USES

TECHNOFIL is high performance inorganic polymer modified crack filler and used for

- Instant crack filling and repair up to 15mm width
- Crack filling in concrete, Masonry & plaster surfaces
- Horizontal and Vertical surfaces
- Interior and Exterior applications

DISCLAIMER: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty" The manufacturer is not responsible for any loss or damage arising from incorrect usage" Specifications are subjected to change without notice"

 **Ecomaterials India LLP**

www.ecomaterials.in

8/5, Sreyas Apartments, Race View Colony, 1st Street, Guindy, Chennai, Tamil Nadu - 600032

Tel: +91 44 22441395, Email: mkt@ecomaterials.in, Web: www.ecomaterials.in