

Dr. Fixit Crack-X Powder



CRACK FILLER

Description

Dr. Fixit Crack-X Powder is a cement based polymer modified powder material for filling cracks in plastered surface. It is composed of cement, properly selected aggregates, polymer & additives which requires on site addition of water only. It is ideal to fill 3 to 5 mm wider static cracks, for leveling up walls before tiling and for skimming expanded polystyrene and asbestos because it has strong adhesion, is non-shrink in nature, good water resistance properties & weathering durability. Cracks filled with Dr. Fixit Crack-X Powder enhances the subsequent paintings quality and life.

Areas of Application

- To fill the static cracks of 3 to 5 mm sizes in horizontal or vertical areas of buildings & structures.
- To level the undulation of the unplastered or plastered ceilings and walls before painting.
- To provide smooth finish to brick, stone, and wood works.
- As an excellent sculpting material.
- Mixed with mineral wool, Unifiller can be used for pipe lagging in awkward places.

Features & Benefits

- Adhesion - Strong adhesion to common building substrates.
- Easy to use - It is do it yourself product. It requires only onsite addition of water.
- Eco- friendly - Does not contain solvent thus no emission of vapours.
- Cost saver - As surface leveler before painting it reduces paint consumption and increases the life of the paint making it economical.

Method of Application

1 SURFACE PREPARATION

- Remove old caulk from joints. The edges of the joints should be neat and sound.
- Make sure that surface is clean & free from puddle of water.
- The surface should be free of loose debris.
- Contaminations of oil, grease or bitumin should be completely cleaned.
- Damp wood should be allowed to dry out and decayed wood should be removed.
- Roughen smooth surfaces to give a good key.

2 PRIMING

- In normal conditions Crack-X Powder does not require a primer. However in critical areas water based acrylic or SBR based primer can be used depending on the severity of surface and application.

3 MIXING

- Mixing ratio of Crack-X Powder to water varies with respect to area of application.
- For surface leveling - the ratio is 2 parts of powder to 1 part of water which will yield to smooth buttery consistency.
- For filling deep holes and cracks - reduce the water quantity to get a thicker pasty consistency.
- For filling wood grain - add sufficient water to get buttery consistency that can be applied by brush.
- In a shallow pan or bucket made of metal / plastic a portion of mixing water to be added. Start addition of crack filler powder gradually under continuous mixing till a homogeneous lump free mix is obtained after addition of balance quantity of water.
- For smaller mixes wooden or metal spatula can be used and mixed manually. For larger mixes Hobart or PAN mixer is suggested. Hand drill mixer with paddle stirrer can also be used at 250 - 300 rpm. The total mixing time shall not be more than 5 minutes.
- The final mixed product would be of dough consistency paste. In case further soft consistency is required, measured quantity of water can be used.

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4 APPLICATION

- **For crack filling** - Fill the mixed paste into the crack by spatula or putty knife blade. Fill excess material and tool it by putty knife blade pressing against crack so that air voids get filled. By wet finger tool the surface of material in to a concave nature by pressing against joint edges.
- **For Surface leveling** - The mixed smooth paste should be applied by painter blade on the dampened wall or ceiling. The material should be applied at the desired thickness in bottom- to -up fashion to avoid blade marks. For multiple coat applications the previous coat should be allowed to cure for minimum 6 hrs. The subsequent coat should be at the right angle to the previous coat.
- **For wood grain & pipe lagging** - For wood grain, apply the buttery consistency mixed material by brush. Mix mineral wool with the buttery mix for pipe lagging & awkward places.

5 CLEANING

- Before the material sets clean the tools, equipments & hands with soap or plain water.
- Cured material can be removed by vigorous scrubbing using sand paper or scrapper.

Precautions & Limitations

- Dr.Fixit Unifiller is for static joint filling only.
- It does not accommodate any movements and thus it is not suitable for dynamic cracks.
- For outside use the Dr. Fixit Crack-X Powder must be coated over with exterior paint to prevent water penetration.

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Type & nature		Single Pack powder
Appearance	Powder	Free flowing powder
Colour	Whitish	White
Mixing ratio		Two parts Powder & One part water by weight
Bulk Density		1.20 +/- 0.10
Application Life @25°C, minutes		More than 20
Setting time@25°C, hours		3 hours
Paint ability		Paintable
Adhesion		Excellent adhesion to Most Building material.

PACKING

500 gm, 1 Kg & 25 Kg

Coverage

The coverage varies with different application. For crack filling-1 kg powder with 500 ml water will fill a crack of 5 mm width by 5 mm depth upto 37.5 linear meter.

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Shelf Life & Storage

Shelf life is one year from the date of manufacturing. Store the material in cool & dry place.

Health & Safety Precautions

- As with all chemical products caution should always be exercised.
- Protective clothings such as gloves and goggles should be worn (see packaging for specific instructions).
- Treat any contact to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.
- Ensure the container is available for the medical attendant to examine any relevant instructions and contents details.
- Reseal all containers after use and ensure product is stored as instructed on the safety section of the labelling.

Other Product Categories Available

DR. FIXIT has wide range of Waterproofing & Construction chemicals which includes,

- Waterproofing Products
- Repair Products
- Sealants
- Flooring Products
- Exterior Coating Products
- Tile Fixing Range
- Concrete Admixtures
- Grouts



Pidilite Industries Limited

Construction Chemicals Division
Ramkrishna Mandir Road
Post Box No. 17411
Andheri (E) Mumbai 400059 INDIA
Tel +91-22-2835 7000 • Fax +91-22-2835 7008
website www.doctor-fixit.com • E-mail drfixit@pidilite.com
Toll Free No.: 1800-22-5502

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