

NEROLAC PERMA

CRACKFILL PREMIX MORTAR

A non-shrink, high strength repair mortar available in grey and off-white colour.

DESCRIPTION

Crackfill is a specially formulated repair material designed to fully meet the requirement of effective repairing of cracks in plasters and in concrete, avoiding the use of costly sealants and putties. Crackfill is a dry powder when mixed with water it forms a creamy consistency mortar, which is ready to use in repairing cracks and repairing plasters. Crackfill is reinforced with alkali resistant fibres. Crackfill is available in Grey and off-white colour powder.

COMPOSITION

- Crackfill is available in two grades, namely grey and off-white to suit the surrounding surface color and texture.
- The product is a blend of special cements, special additives and selected grades fine aggregates along with alkali resistant glass fibres.
- The product when mixed with water in the proportion of 3.5 volume of powder to one volume of water results in a workable paste which can be trowelled to a fine finish.

PRIMARY USES

- Crackfill is ideally suited for repairing of superficial plaster cracks as well as structural cracks.
- Crackfill can be used for repairing ceiling cracks and plasters with ease because of its viscosity.
- Cracks arising due to plasters cracking at junctions of wall and column or brick work soffit of beam can be effectively sealed.
- Cracks at parapet wall junction and roof slabs are also sealed with Crackfill.
- The product is suitable for rendering.

ADVANTAGES



Crackfill replaces costly sealant and putties. It is non-shrink, hence possibility of shrinkage cracks are nonexistent.



It has high tensile strength and good adhesion property.



The finish achieved is sufficiently smooth.



Good resistance to freeze / thaw cycles, carbonation and attack by chlorides.



Conventional curing is not required.

DIRECTIONS FOR USE

Preparation:

- It is essential that the surface of the concrete to be repaired is sound, clean and uncontaminated.
- Chase the crack and form a neat “V” shaped groove at least 6mm wide on surface.
- Damaged plasters can be cut out in more or less square sides.
- Defective material must be removed carefully using reducing tools, needle guns or sharp tools and chipping hammers.
- Force must not be applied as it will damage the sound material beneath.

MIXING

- Just add water to Crackfill by volume in the ratio of 1 volume of water to 3.5 volumes of powder and mix thoroughly to get an even consistency mortar.
- In demanding situations Bond PVA can be used to replace water and the same can be used for priming the surfaces before application of Crackfill.
- Whereas, mixing by trowel is suitable for small mixes, it is recommended that an efficient mechanical mixer be used.

CURING

Start curing after the material has sufficiently hardened for two days and then allow it to dry out slowly (i.e. protect from rapid drying due to wind, sun or excessive heat). Use of Curing Compound is ideal in repairs.

SUBSEQUENT FINISH

Crackfill is suitable for all subsequent decorative finishes and painting. The finish obtained by Crackfill is far smoother than conventional plasters.

PROPERTIES

Form	: Free Flowing light grey/off-white powder.
Bulk Density	: 1600 kg/m ³
Application Thickness	: 1 mm to 20 mm
Pot Life	: 60 minutes at 20° C

COVERAGE

In crack repair 1 kg of crackfill repairs 3.352 meters of crack chased to a width of 6 mm and a depth of 3 mm. In rendering 60 kg of crackfill covers 9.29 m² of area to a thickness of 2 mm.

HEALTH AND SAFETY

Crackfill is non-toxic and safe. Dust masks and hand gloves are recommended to avoid direct inhalation of dust and contact with skin.

PACKING

Crackfill Grey is available in 1 kg, 10 kg and 25 kg pack.

Crackfill Off white is available in 10 kg and 25 kg pack.

SHELF LIFE

Crackfill has a shelf life of 12 months from the date of manufacture, if stored in a cool and dry place away from moisture.

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