

CALISTO CRACKFILL

A Non-shrink, High Strength Repair Mortar Available in Grey & Off White Colour

DESCRIPTION

Calisto 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. Calisto 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. Calisto Crackfill is reinforced with alkali resistant fibres. Calisto Crackfill is available in Grey and off white colour powder.

COMPOSITION

Calisto 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

- Calisto Crackfill is ideally suited for repairing of superficial plaster cracks as well as structural cracks.
- Calisto 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 Calisto Crackfill.
- The product is suitable for rendering.

ADVANTAGES

Calisto 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 Calisto 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. For better bonding on the surface, you can add 'Calisto Latex' 100ml per 1kg of 'Calisto crackfill'. 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

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

COVERAGE

In crack repair 1 kg of crackfill repairs 11 linear feet of crack chased to a width of 6 mm and a depth of 3 mm. In rendering 60 kg of crackfill covers 100 sq. ft. of area to a thickness of 2 mm.

TECHNICAL PROPERTIES

Form	Free Flowing light grey/off white powder
Bulk density	1600kg/m ³
Application thickness	1 mm to 20mm
Pot Life	60 minutes at 20° C

PACKAGING

CALISTO CRACKFILL is available in 1 kg, 10 kg, 25 kg packing & Off white is available in 10 kg & 25 kg pack

STORAGE & SHELF LIFE

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

HEALTH & SAFETY

Exercise caution and use protective clothing such as gloves and goggles. Inhalation of vapour or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air & if need be start artificial respiration. Give oxygen if breathing is labored & call emergency medical help. In case of eye contact flush with water for 15 minutes and call for medical help. If swallowed will cause nausea, vomiting, and loss of consciousness. Do not induce vomiting rather call for medical help. If contact with skin flush with water/soap & water until all traces are removed. Seek medical attention if required.



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