

TechFin[®] CrackSeal XP

Single part, Non-shrink, High Strength Powder Crack Sealer for plaster, masonry and concrete.

Description:

TechFin[®] CrackSeal XP is a pre-bagged factory quality controlled single component crack filling and sealing cementitious ready to use material in powder form. When mixed with recommend amount of potable water onsite TechFin[®] CrackSeal XP produces a highly consistent, smooth, trowellable mortar. It is easy to apply and can be finished or smoothed off with a putty blade or a damp sponge. It sets quickly on application and can be over coated with common paints / coatings.

TechFin[®] CrackSeal XP is composed of a blend of hydraulic cements, fibers and supplementary cementing materials and special chemical additives to give it its unique properties designed to Fill and seal the cracks within Plaster, masonry and concrete surfaces.

Application Includes:

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.

Features & Benefits:

- **Single component-** Easy to use which requires only addition of water on site.
- **Versatile-** Can be used for cracks in exposed conditions on plaster, masonry or concrete upto 10mm width
- **Non-sagging-** Can be used for horizontal, vertical and overhead applications
- **Good adhesion-** Effective bonding with substrate no independent primer or curing is required.
- **Non-Shrink-** Shrinkage cracking eliminated.
- **Economical-** Cost effective, hand applied no formwork is required

Application Instructions:

Surface Preparation

Surface must be free from dust, oil, grease, and loose particles, etc. moisten the surface before applying **TechFin[®] CrackSeal XP**. Fine hairline cracks must be widened upto 6 mm minimum and then filled. For filling **TechFin[®] CrackSeal XP** on the internal surfaces, existing POP or painter's putty must be removed till plaster surface is exposed.

Mixing:

TechFin[®] CrackSeal XP shall be mixed with water adopting w/p ratio 0.23 by weight or a mix proportion of 1 part of water to 3.0 parts of **TechFin[®] CrackSeal XP**, by volume. Thorough mixing shall be carried out till a smooth, homogenous paste is obtained.

Application & Finishing

The mixed material is filled into the prepared cracks /groove using a small trowel or putty blade and finish to a level surface. This is continued till the full length of crack is sealed. Remove excess mortar with clean moist sponge or soft cloth before drying.

Curing:

Good curing practice is essential even though **TechFin[®] CrackSeal XP** is specially formulated to prevent shrinkage and cracking. Particular care is required in hot and windy conditions. Curing may take place with a single coat of **TechnoFinish@ConKure101/102** range, which is compatible with most subsequent protective coatings.

Cleaning:

TechFin[®] CrackSeal XP should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed by mechanical means.

Typical Properties at 25°C

Appearance	Free flowing powder
Colour	Grey, white
Working life	40 – 45 min
Setting Time	2 – 3 hr
Mixed density	1.85 ± 0.05 g/cm ³
Coefficient of thermal expansion	6.5 to 12 × 10 ⁻⁶ m/1 ^o C
Compressive strength (ASTM C109)	18 N/mm ² in 7 days and 20 N/mm ² in 28 days
W/p Ratio	0.23 by weight
Mix proportions by volume	1 part water : 3 parts of powder
Recommended application temperature	10 to 35°C

Note: All technical data stated herein is based on tests carried out under laboratory conditions.

Packaging:

TechFin® CrackSeal XP is supplied in 5, 10, 20 & 30 Kg HDPE Bag.

Storage & Shelf Life:

24 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 35°C.

Coverage:

1 kg will fill approximately 30-35 m length of cracks cut into 1mm x 6 mm deep V-grooves. Coverage would depend upon porosity of substrate.

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

Edition: 08/2017/001 Identification No: PD-021
This datasheet supersedes all previous versions.

Precautions/Limitations:

It does not accommodate any movements and thus it is not suitable for dynamic cracks. For outside use **TechFin® CrackSeal XP** must be coated over with exterior paint to prevent water penetration.

Health & Safety Instructions:

As a powder containing Portland cement **TechFin® CrackSeal XP** may cause irritation to skin or eyes. Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended.

Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals.

Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

Additional Information: Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

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