

Estopatch ST (f)

High Performance Cementitious, Polymer Modified for Final Floor Finish

Description

Estopatch ST (f) is a pre-pack, single component polymer modified and leveling mortar, which needs only the addition of water on site.

Estopatch ST (f) has low permeability property for interior and exterior restoration of deteriorated concrete elements and slabs. It may be placed into forms or used in horizontal applications. **Estopatch ST (f)** may be used as levelling, and smoothing of interior floors. **Estopatch ST(f)** prior to subsequent finishing with epoxy, PU, ceramic or stone tiles, PVC sheet, carpet, and wood flooring.

The Estopatch ST (f) formulation plus Estobond AR bonding agent ensure good adhesion with existing concrete.

Its shrinkage compensated property enables it to be used for large and small area application.

Uses

Estopatch ST (f) is supplied as a grey powder to which water is added on site. It contains blended non-shrink cements, graded sands and chemical additives which provide a mortar with the superior qualities required for structural and floor repair.

Advantages

- Provides a compatible bonding surface for tile and carpet adhesives
- Low water permeability, resistant to water after cure
- Low shrinkage — reduce cracking after cure
- Excellent abrasion and impact resistance
- Capable of leveling surface
- Hard and abrasive resistant surfaces
- Good bond and compaction
- Maintain good workability and joint healing throughout its pot life.
- Good Hardness

Physical Properties

Test Method	Typical Result
Compressive Strength BS 1881, part 116	>7 N/mm ² @ 1 day >27 N/mm ² @ 28 days
Flexural Strength	6 N/mm ² @ 28 days
Setting time	6-9 Hours - Initial
Fresh wet density	1.9 kg/L ± 0.1 (fresh mortar)

Application instructions

Preparation

Surface should be clean and remove any dust, unsound materials, oil, paint, grease, corrosion deposits from the surfaces. Remove oil and grease deposits by steam cleaning, detergent or stain degreaser.

Use compressed air to clean all deposits or dust on the surface if necessary. All surface areas should be sprayed or soaked with water prior to the application **Estopatch ST (f)** to make better bonding.

Priming

All surfaces must be primed prior repair. Reinforcing steel must be primed with galvanized protective coating or epoxy system which will prevent further corrosion.

All concrete surfaces should be thoroughly soaked but leaving no surface water.

Concrete surface must be primed with Estobond AR bonding agent which is scrubbed onto the surface of the concrete. It will dry in approximately one hour. **Estopatch ST (f)** should be applied when the Estobond AR is still tacky.

Mixing

Ensure that **Estopatch ST (f)** is thoroughly mixed prior to use. It is essential that quantities of one bag or more are mixed in a forced action pan mixer or with a slow speed drill (500rpm) fitted with a spiral paddle. For normal applications 6 - 6.5 litres (flowable performance) of water should be added to 25 kg bag.

Application

For application to all surfaces, **Estopatch ST (f)** is applied with wood float to ensure positive contact with the primed substrate and initial application should be with tamping or compacting action.

Finishing can be wood oat, steel trowel or sponge depending on the requirement.

The minimum layer thickness of **Estopatch ST (f)** is 5mm and it can build up to 15 mm. If thicker thickness required, can be used product **Estopatch FSR**, please kindly contact our sales representative.

System Structure

Priming : Estobond AR

Leveling : apply to the required thickness 5 – 15 mm

Consumption = ~1,45 ± 0,05 kg/m²/mm (powder)

This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level or wastage, etc.

Cleaning

Estopatch ST (f) should be removed from tools with clean water immediately after use. Cured material can only be removed mechanically.

Packaging

Estopatch ST (f) : 25 kg /bag

Technical Support

Estop offers a technical support package to specification engineers, end-users and contractors as well as on-site technical assistance

Storage

Estopatch ST (f) should be stored in dry and covered condition. The product has a shelf life of 6 months in an unopened container.

If stored in extreme heat condition, the shelf life may be reduced.

Precaution

Estopatch ST (f) is non-toxic. It is slightly alkaline; therefore, skin contact shall be avoided. Wear gloves and protective clothing

Estopatch ST (f) must be protected from damp, condensation and water for at least 24 hours.

After pouring, need wet cure for a minimum 3 days, with plastic sheet.

Suitable for overcoating with after drying normal reached after 4 – 7 days depend the system of topping.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.