

Estorex FG

Three Component Free Flow Epoxy Grout

Description

Estorex FG is a specially formulated three components silica filled epoxy polyamide compound.

It has an excellent flow with self-levelling effect. It will form high bond strength with most substrate once cure, and resistance to chemicals.

Estorex FG has been tested by SIRIM BHD, in accordance to BS 6319, on Compressive Strength Test and complied with the specification in this data sheet.

Uses

Estorex FG is specially design for the following applications:-

- Grouting to rail track
- Grouting to heavy machinery and column base
- Grouting to bolt and dowel bars
- Bedding to tiles and others floor finishes
- Jointing and pointing to masonry material

Advantages

- Excellent bond strength to most substrate with high compressive strength
- High flow and self-levelling
- Cure on damp surface
- Non-shrink during curing
- Good resistant to chemical

Standards Compliance

- **BS 6319**
- **ASTM C882-91**
- **ASTM C883-92**
- **ASTM C884-92**
- **ASTM D638M-91**

Physical Properties

Compressive Strength (N/mm ²), BS 6319 1 day 7 days	15 70
Tensile Strength(N/mm ²), BS 6319 7 days	15
Effective Shrinkage ASTM C-883-92 Cycled at 25 °C to 50 °C	Passed
Thermal Compatibility ASTM C-884-92 Cycled at 25 °C to 50 °C Cycled at 25 °C to 100 °C	Passed Passed
Slant Shear Bond Strength (N/mm ²), ASTM C-882-91	30
Chemical Resistance Alkali (20%) Organic acid Mineral acid Fuel oil Alcohol C3+	Excellent Good Good Excellent Excellent
Curing Temperature Minimum Maximum	5 °C 80 °C
Service Temperature Maximum	100 °C
Adhesion Concrete Steel	Excellent Excellent
Density (kg/litre)	1.65 – 1.75
Pot Life at 30 °C	25 mints

Application Instructions

Surface preparation

Substrate shall be thoroughly clean. Mechanical cleaning is necessary to achieve maximum adhesion.

No priming is required if the surface is well prepared.

Mixing

Thoroughly mix all Base and Hardener in a mixing vessel. Then add in Filler gradually and mix well using a low speed drill and mixing paddle, until a consistence homogeneous mortar is achieved.

ESTOREX FG SHALL NOT BE ADDED WITH WATER.

Application

Grouting to Rail Track and Base Plate

Construct a leak proof formwork (where needed), as **Estorex FG** is a free flowing grout. Loss non-set grout will result in incomplete filling of gap.

Pour the mixture steadily from one side to eliminate air entrapment. Continuous flow of grout is essential.

Chemical Resistant Tile Bedding

Use a long plastic float to spread the material. It will seek it own level rapidly if it is spread over the entire area first. It should achieve minimum of 10mm thick over the area of 10m². Permit to cure for one day before laying of tiles, terrazzo etc.

Jointing and Pointing

Estorex FG may be poured into ceramic tiles and marble joints using a small tipped funnel to give a self-levelling watertight pointing and grouting.

Cleaning

Tools, etc can be clean while the mortars are still un-cure with solvent cleaner.

Packing & Size

Estorex FG	10 litre pack
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Coverage

Estorex FG	1 m ² /10mm/10 litre pack
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Technical Support

Estop offers a comprehensive range of high performance, high quality of repair product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

Estorex FG should be stored on pallets in dry conditions. Under these conditions, the product will have a shelf life of 12 months.

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

Precaution

Estorex FG contains epoxy resin, which may cause skin sensitization in certain individual.

Skin contact should be avoided and suitable barrier cream shall be applied or disposable rubber gloves shall be worn.

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.