

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.

050302

Chemical Resistant Tile Bedding

Use a long plastic float to spread the material. It will seek its own level rapidly if it is spread over the entire area first. It should achieve a 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
-------------------	---------------

Coverage

Estorex FG	1 m ² /10mm/10 litre pack
-------------------	--------------------------------------

Technical Support

Denka 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 specifies, 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 individuals.

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

Additional Information

Denka Construction Solutions Malaysia Sdn Bhd 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.



Denka Construction Solutions Malaysia Sdn Bhd
(591858-U)
No. 18, Jalan Utas 15/7, Seksyen 15,
40200 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: +603 5510 8810 Fax: +603 5518 8202
www.denka-cs.com

Limitation of Liability

The information contained in this brochure provides general advice for potential customers for DENKA about the basic properties and characteristics of various DENKA products (hereafter known as "the Product Information"). DENKA makes no warranty or representation as to the entire accuracy or completeness of the Product Information in the brochure. Nothing in this brochure will be deemed to create any express or implied warranty of merchantability, fitness for a particular purpose or infringement of any intellectual property rights. Each user of the Product Information and DENKA products assumes their own responsibility to properly determine the manner and suitability of use of the Product Information and DENKA products in its own operations. The user should exercise proper care in considering the Material Safety Data Sheet, Product Information and any other technical information provided by DENKA including descriptions of the conditions of use, warnings and other cautionary instructions. DENKA reserves the right to change the Product Information from time to time at its discretion and without notice.