

Estorex BC

High Strength Epoxy Mortar for Bedding

Description

Estorex BC is a three parts epoxy mortar, based on a combination of base, hardener and selected graded fillers. After mixing, it forms a trowellable mortar with good workability and high adhesion.

Estorex BC 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 BC is specially formulated for the following applications: -

- Nosing for bridge expansion joint system
- Bedding of bearing pads
- Crane rails
- Repair mortar and filling of cavities
- Bolts anchoring
- Heavy machinery mounting

Advantages

- High tensile and compressive strength
- Rapid curing with excellent adhesion strength
- Excellent wearing and abrasion resistant
- Good acid and alkali resistant
- Negligible shrinkage
- Non-corrosive
- Applicable on damp surfaces

Standards Compliance

- **ASTM C-884-92**
- **ASTM C-883-92**
- **ASTM C-882-91**

Physical Properties

Specific Gravity	1.65 – 1.75
Colour	Natural
Pot Life at 28°C, 500g	40 mins
Compressive strength at 30°C (N/mm ²), BS 6319	
1 day	30
7 days	65
14 days	75
Flexural strength at 30°C (N/mm ²), BS 6319	
7 days	25

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	27
Adhesion	
Concrete	Excellent
Steel	Good
Neoprene	Good

Application Instructions

Surface preparation

Substrate shall be thoroughly clean. Mechanical cleaning is necessary to achieve maximum adhesion. **Estop Primer E11** shall be applied and allowed to dry.

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 BC SHALL NOT BE ADDED WITH WATER.

Application

Apply the mixed **Estorex BC** to the prepared substrate by pressing firmly into place to ensure positive adhesion and full compaction. Trowel off to the required level with a wooden or steel trowel.

Cleaning

Tools, etc can be cleaned while the mortars are still uncured with solvent cleaner. Hardened material can only be removed mechanically.

Packaging & Size

Estorex BC	10 litre pack
Estop Primer E11	200 ml pack

Coverage

Estorex BC	1 litre per m ² per 1 mm thick
Estop Primer E11	1 m ² per 200 ml pack

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 BC 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 BC and **Estop Primer E11** contain 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.