

# Estobond EC- X

Two Component thixotropic Epoxy base adhesive (non sagging consistency)

## Description

**Estobond EC-X** is a two component, epoxy based adhesive and selected light filler, which has a very strong adhesion and mechanical strength.

**Estobond EC-X** has designed for thixotropic property so easy to apply even on vertical structures in thickness up to 10 mm in single layer is obtained.

## Uses

**Estobond EC-X** is used for bonding prefabricated concrete segments to provide a structural. **Estobond EC-X** is also suitable as sealant for epoxy crack injection and a gap filling paste, **Estobond EC-X** have a great adhesion to concrete, wood, ceramics, mortar, bricks, steel, iron, aluminium, polyester, glass, concrete elements.

Area of application includes:

- Reinforcement of beams and pillars by bonding steel
- Sealing injectors and surface damage before injection
- Sealing large crack and repairing joint corners in industrial flooring subject to traffic.

## Advantages

- Excellent adhesion
- High strength, gives high physical properties.
- Grey color similar like concrete
- Non-sag, thixotropic easy to apply
- Easy to mix and use
- Excellent durability and impact resistance

## Standard Compliance

ASTM C881M-02 Standard Specification for Epoxy-Resin Based *Bonding* Systems for Concrete Grade 3

## Properties

Color of mixed material	GreyThixotropic (concrete color)
Form	Two component
Specific gravity (mixed)	1.8 ± 0.1 kg/liter
Shrinkage	No shrink
Compressive Strength ASTM C881	>70 N/mm <sup>2</sup>
Flexural Strength, JIS K7203, 7 days	>22 N/mm <sup>2</sup>
Adhesion to concrete ASTM C 881	>10 N/mm <sup>2</sup>
Working time	25 - 35 min @ 25 C

## Application Instructions

### Surface Preparation

All surfaces to be treated must be firm, dust-free and clean. All laitance should be removed mechanically. The surface should be washed thoroughly with clean water and all traces of surface water removed.

### Mixing

- **Estobond EC-X** is supplied with a total volume of 5 kgs. Pour all component B into component A, mix the two component with a mixer on low speed for 3 minutes/homogenous – a uniform color is obtained.
- To avoid incomplete hardening, do not mix partial quantities, when partial quantities necessary, use precision weighing scale.
- After mixing apply the product immediately.

## Application

The mixed adhesive may be applied by spatula. Flat trowel. **Estobond EC-X** can be applied vertically or on ceiling without slipping.

To obtain good bonding, it is recommended to apply **Estobond EC-X** on both surfaces that need bonding and let the product penetrate well.

The sufficient thickness to obtain an excellent bonding strength is approx. 1 – 2 mm.

## Cleaning

All tools and equipment should be cleaned immediately after use with thinner or proper solvent

## Packing & Size

### Estobond EC-X

5 kgs set

## Coverage

### Estobond EC-X

1 m<sup>2</sup>/liter at 1 mm thickness These figures are for guidance only. Actual coverage will depend on the texture and porosity of the surface being covered.

## Limitation

- Do not apply on wet surfaces, damp surface still OK.
- Do not apply on dust or brittle substrate
- Do not apply to closing the expansion joint cavity (expansion joint)

## Storage

**Estobond EC-X** should be stored on pallets in cool and dry conditions. The product shelf life is of 12 months. It shall be protected from high humidity and extreme heat.

## Precaution

Contact with the skin must be avoided. Gloves and barrier cream should be used when handling these products. If contact with the resin occurs, the skin should be washed immediately with soap and water. Eye contamination must be immediately washed with copious quantities of water and medical treatment sought. Working areas should be well ventilated.

## 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 it 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.*