

Estobond E 80

Epoxy Bonding Agent and Cracks Filler

Description

Estobond E 80 is a two-components Epoxy mainly use for as bonding agent and cracks filling. Great Adhesion strength and Less-viscous yield made this product can penetrated, promote bonding and monoliths between two or more substrates.

Uses

- Construction joints
- Bonding agent between fresh and hardened concrete.
- Bonding precast concrete elements.
- Bonding steel to concrete.
- Filling cracks in concrete

Advantages

- Great Adhesion with concrete and steel surface.
- Excellent penetration to the porous surface.
- Fast curing, easy to apply.

Properties

Color	Transparent Light Grey
Density, g/mL	Base: 1.70 ± 0.10 Hardener: 0.97 ± 0.05 Mixed: 1.20 ± 0.10
Viscosity, cPs	1,000 ± 100 (mixed)
Pot Life at 25°C	Within 45 minutes
Tack free Time at 25°C	Within 4 hours
Drying Time at 25°C	Within 48 hours
Adhesion Strength, ASTM D4541	> 4.5 MPa concrete failure
Tensile Strength, ASTM D638	> 20 MPa
Compressive Strength, ASTM D695	> 80 MPa at 7 days
Flexural strength, ASTM D790	> 40 MPa at 7 days

Instruction of Use

1. Preparation

Substrate should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed using mechanical methods.

2. Excessive dust, debris, and others contaminant material should be removed using high pressure blower or industrial vacuum cleaner.

3. Priming

No need Priming.

4. Placing

Mix thoroughly **Estobond E 80** part A and part B using medium speed (300 – 500 RPM) mixer with spiral-shaped steel stirrer for 3 minutes to achieve consistent quality and color.

Apply thoroughly onto surface using brush; roller, squeegee or spray, (depends on application condition) ensure all concrete surface can be cover with **Estobond E80**.

5. As a bonding agent for new concrete, The repair mortars/concrete or other grouting material should be applied immediately whilst the primer/ bonding agent is still wet, reapplying as necessary if **Estobond E80** dry longer than 4 hours at 25°C.

Packaging

23.2 Kg per set

- Part A: 19.2 kg per pail
- Part B: 4 kg per pail

Coverage

Estobond E80 0.3 – 0.6 Kg/ m² depends on
(as bonding agent) concrete condition

Cleaning

Tools and equipment just can be clean with acetone or thinner immediately after use. Cured product only can be removed using mechanical action.

Storage

Store in the dry conditions between 5 – 30 °C.
Put away from sources of heat and naked flames in the original, unopened packs.
If stored at high temperatures the shelf life may be reduced.
Estobond E 80 should be protected from frost.

Shelf Life

1 Year in an unopened and undamaged packaging.

Safety Measure

Impervious gloves and barrier cream should be used when handling these products.
Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist.
If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent.
Ensure adequate ventilation when using these products.

Disposal

Spillage of products should be absorbed on to earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal regulations. For further information, refer to the Product Material Safety Data Sheet.

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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.