

Estobond ES

Epoxy resin slow set concrete bonding agent

Description

Estobond ES is based on solvent-free epoxy resins containing pigments and fine fillers. It is supplied as a two part material in pre-weighed quantities ready for on-site mixing and use.

Colored components, white base and red hardener, provide visual evidence that adequate mixing is achieved.

Uses

For bonding new cementitious materials to existing cementitious surfaces. For use to horizontal surfaces and on vertical surfaces where mortar or concrete can be supported by formwork.

Ideal for extensions and repairs to concrete in factories, loading bays, trucking aisles, bridges, roads, bonded or granolithic floor toppings, etc.

Advantages

- Can be applied to dry or damp surfaces.
- High mechanical strength.
- Good positive adhesion.
- Long open time.

Physical Properties

Adhesion to concrete	In general the bond will always exceed the tensile strength of the concrete
Pot life at 35°C	30 – 40 mins
Full cure at 35°C	7 days
Maximum overlay time at 35°C	4 – 6 hours

Application Instructions

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

The entire contents of the hardener tin should be poured into the resin container and the two materials thoroughly mixed until a uniform colour is obtained.

Application

When mixed, **Estobond ES** should be brush or spray applied to the prepared surface. The new concrete or screed should be applied to the **Estobond ES** within 2 – 4 hours.

Packing & Size

Estobond ES	5 kg pack
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Coverage

Estobond ES	10 – 12 m ² /pack
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These figures are for guidance only. Actual coverage will depend on the texture and porosity of the surface being covered.

Technical Support

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

Storage

Estobond ES 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.

Estobond ES is flammable. No naked flames allowed. Do not smoke during use.

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.