

Estotile BC

Single Component Polymer Modified Cementitious Ceramic Tile Bedding Compound

Description

Estotile BC consists of a blend of polymer, cement and selected sands which requires to be mixed with water, when use.

Uses

Estotile BC is a bedding compound for tile and fixing of ceramic tiles on floors or walls, for either indoor or outdoor on concrete substrates.

Advantages

- Applicable directly to prepared substrate without cement sand paste.
- Dimensionally stable.
- Excellent adhesion to prepared substrates.
- Sufficient open work time.

Physical Properties

Bond Strength, N/mm ² 7 days	10 N/mm ²
28 days	18 N/mm ²
Work Time at 25 °C	1 – 3 hours
Final Setting time at 25 °C	18 – 24 hours

*Water-powder ratio of 0.25

Application Instructions

Preparation

The substrate should be clean, sound and free from loose material and contamination such as plaster, oil, paint and grease.

New concrete should be at least 14 days old.

Light scrubbling or captive blasting method should remove excess laitance. Oil and grease must be removed.

Large cracks and holes must be repaired using suitable Estop products before **Estotile BC** is applied.

Priming

It is highly recommended that the substrate be saturated with water. Avoid excessive water on surface.

Mixing

Add 6.0 – 6.5 litre of water with 25 kg of **Estotile BC**, to produce a homogeneous adhesive like paste consistency. Pour 2/3 of the required water into mixing vessel. Add the powder gradually to the water. Mix continuously with a heavy-duty drill fitted with a suitable paddle. Mixing should continue for at least 3 minutes until a smooth creamy consistency is obtained. Slowly add the remaining 1/3 water, mixing throughout, to obtain a homogeneous adhesive like paste. Do not mix more **Estotile BC** than can be reasonable laid within the flow time of the material.

Application

Apply the mixed **Estotile BC** paste onto the surface of the saturated substrate using hand or trowel. Level the **Estotile BC** paste with suitable trowel to the desired thickness. Attached the tiles onto **Estotile BC** paste and fix it in position.

If the surface onto which **Estotile BC** is applied moves or cracks, debonding of **Estotile BC** may occur.

Limitation

Estotile BC should not be used as tile pointing grout when it is for permanent submersion in water. **Estotile Grout** shall be recommended instead.

Cleaning

Estotile BC can be removed from tools and equipment with clean water if it is still unset. Hardened material can only be removed mechanically.

Packing & Size

Estotile BC	25 kg bag
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Yield

Estotile BC	14 litres per bag depends on water addition
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Coverage

Estotile BC	1.4 m ² per 10 mm thick
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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 specifies, end-user and contractors, as well as on-site technical assistance.

Storage

Estotile BC should be stored on pallets in dry conditions. Under these conditions the product will have a shelf life of 12 months. The product must be protected against extreme heat and running water.

Precautions

Estotile BC contains powder when mixed with water release alkalis which can be harmful to skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment.

If swallowed, do not induce vomiting – given a glass of water. If in eyes, hold eyes open, flush with water for at least 15 minutes. If skin contact occurs, removes contaminated clothing and wash skin thoroughly. Do not use solvents on skin.

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.