

Estotect MMA

High Performance Methacrylate Protective and Decorative Coating

Description

The Estotect MMA system comprises of a silane-siloxane primer and a single component pigmented coating.

Estotect MMA Primer is a clear liquid silane-siloxane dissolved in a penetrating organic carrier. The primer is chemically-bound hydrophobic barrier.

Estotect MMA is a methacrylate, solvent based protective coating, with outstanding resistance to aggressive elements, UV light and rain.

Estotect MMA has been tested in accordance to BS EN 1062-6 on Determination of Carbon Dioxide Permeability; BS EN ISO 7783-1 on Determination of Water Vapor Transmission; BS EN 13396 on Determination of Chloride Ion Ingress and complied with the specification in this data sheet.

Uses

To protect exposed reinforced concrete structures from acid gases, chloride ions, sulphates, oxygen and water. Estotect MMA is suitable for use on structures in aggressive marine and coastal environments. It is suitable for new existing structures.

Advantages

- Excellent barrier to carbon dioxide, chloride ions, sulphate, oxygen and water
- Breathable coating which allows vapour to escape from the structure
- Highly UV-resistant
- Excellent resistance to dirt pick-up

Standards Compliance

- BS EN 1062-6:2002, Method B
- BS EN ISO 7783-1:2000
- BS EN 13396:2004

Physical Properties

Appearance	Single component liquid (Clear / coloured)
Specific Gravity, kg/L	1.28 – 1.33
Solid Content, %	64.5 ± 3
Wet film thickness, µm	> 200 / coat
Dry film thickness, µm	Average 110 / coat
Carbon Dioxide Permeability BS EN 1062-6:2002, Method B Diffusion equivalent air layer thickness	>200 m
Water vapour diffusion resistance BS EN ISO 7783-1:2000	S _D 1.02 m
Chloride ion diffusion BS EN13396:2004	No chloride ion diffusion after 180 days immersion

Application Instructions

Preparation

Substrate should be dry and free from contamination such as oil, grease, loose particles, etc.

Application

In order to obtain the protective properties of the Estotect MMA system, it is important that the correct rates of application and over coating times are observed.

	Estotect MMA Primer	Estotect MMA
No. of coats	Flood coat	2
Theoretical application rate per coat	0.4 litres / m ²	0.175 litres/m ²
Theoretical wet film thickness per coat	N/A	175 microns
Dry film thickness, µm	Average 110 / coat	Average 110 / coat
Over coating time @ 30°C	90 mins	5 hours

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The primer should be applied in one or more coats until the recommended application rate of 0.4 litres per m² is achieved. This is best accomplished by using portable spray equipment.

Estotect MMA may be applied by suitable brushes or rollers. The material should be stirred thoroughly before use.

Cleaning

Estotect MMA Primer and Estotect MMA can be removed from tools and equipment with Solvent.

Packing & Size

Estotect MMA Primer	20 litre pail
Estotect MMA	20 litre tin

Coverage

Estotect MMA Primer	2.5 m ² per litre (total)
Estotect MMA	3.0 m ² per litre (total)

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-users and contractors, as well as on-site technical assistance.

Storage

All products have a shelf life of 12 months if kept in a dry store in the original, unopened packs.

Precaution

Estotect MMA should not be swallowed or in contact with skin and eyes. Wear suitable protective gloves and goggles.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

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.