

Estotect E230

Damp-Tolerant, Solvent Free Epoxy Resin Coating

Description

Estotect E 230 is a solvent less epoxy coating and lining system for concrete and steel.

It is a two pack, solvent free epoxy resin material. It is supplied in pre-measured quantities ready for site mixing and use. The material cures to provide a smooth, tough and resistant finish. It is available in light grey.

Uses

Estotect E230 is a protective coating for concrete and mild steel. It is particularly useful where concrete surfaces are damp and cannot be dried out. Its ultra high build properties allow a thickness of up to 400 micron to be achieved in single spray application. The cured film is corrosion, chemical and abrasion resistant and is suitable for application such as:

- Sewage works
- Basements
- Marine environments
- Tunnels
- Food processing factory,
- Laboratory,
- Hangars,
- Loading ramp,
- Kitchen,
- Workshop and clean room.

Advantages

- Excellent resistance to corrosion, chemical, abrasion, impact and thermal shock
- Excellent bonding strength with suitable primers
- Low permeability to water and chloride ions.
- Low odour and food grade
- High build application
- Suitable for use in confined areas
- Can be applied directly to mild steel and concrete
- Smooth, glossy, easy to clean surface
- Can be applied on damp surfaces

Design Criteria

Estotect E230 is design to be applied in two coats to achieve a minimum total dry film thickness of 400 microns. To achieve the correct protective properties, Estotect E230 must be applied on to the substrate at the coverage rates recommended.

Physical Properties

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| Volume solids | 100% |
| Viscosity | Pourable, spreadable liquid |
| No of components | 2 |
| Pot Life: At 20 °C At 35 °C | 30 – 40 minutes 10 – 15 minutes |
| Dry time: Touch dry Recoat | 2 hours @ 25°C 12 hours @ 25°C |
| Overcoating times: At 5°C At 20°C At 30°C | 18 – 48 hours 6 – 18 hours 3 – 9 hours |
| Fully cured: At 5°C At 20°C At 30°C | 14 days 7 days 7 days |
| The fully cured film is resistant to: | Distilled water Petrol Xylene 50% sulphuric acid saturated sodium chloride 50% sodium hydroxide |

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Application Instructions

Surface preparation

Substrate shall be clean and free from laitance, loose particles and previous coatings. It can be prepared by blast cleaning, water jetting and acid etching, wire brushing or grinding.

For steel substrates, it is ideally to blast clean to SA2½.

Application

The two parts of Estotect E230 shall be mixed thoroughly until a homogeneous mixture is obtained, using a slow speed mixer.

Estotect E230 can be applied by brush or spray to give a uniform thickness. Faster rates of application are possible using airless spray equipment. It is recommended to apply in two coats system to achieve a dry film thickness of 350 microns to 400 microns.

ESTOTECT E230 SHALL NOT BE ADDED WITH WATER.

Packing & Size

| | |
|----------------|--------------|
| Estotect E 230 | 5 litre pack |
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Coverage

| | |
|-----------------------------|----------------------|
| Theoretical coverage @ 200µ | 5m ² / kg |
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Technical Support

Estop offers a comprehensive range of high performance, high quality repair products for both new and existing concrete surfaces. In addition, the company offers a technical support package to specify, end-users and contractors, as well as on-site technical assistance.

Storage

Estotect E 230 should be stored on pallets in cool and dry conditions. The product shelf life is 12 months.

Precaution

For industrial use only. Avoid contact with eyes and skin, do not use without protective gear for eyes, hand. Product is not flammable.

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 any document it issues 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.