

## Estotect E 230

### High Solids Epoxy Topping

#### Description

**Estotect E 230** is a high solids epoxy coating which develop for use on old and new concrete and steel substrate especially when substrates are damp.

It is a two packs epoxy resin material. It is supplied in pre-measured quantities ready for site mixing and use. The finishing has a semi-gloss sheen finish with good adhesion onto properly concrete and metal surfaces.

#### 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 high build properties allow a thickness of up to 200 microns to be achieved in single spray / roller application. The cured film is corrosion and chemical resistant and is suitable for application such as:

- Steel structures
- Bridge
- Tanks exterior
- Oil tanks
- Piping
- Roof

#### Advantages

- Have good splash resistance to splash / spillage and fumes of acids, alkaline, fresh and salt water
- Excellent corrosion and chemical resistance
- High build application
- Semi-gloss sheen finish
- Can be applied on damp surfaces
- Non-toxic

#### Design Criteria

**Estotect E230** is design to be applied in two coats. To achieve the correct protective properties, **Estotect E230** must be applied on to the substrate at the coverage rates recommended.

#### Physical Properties

Finishing	Sight Sheen
Color	Standard colors
No of components	2
Solid Content, %	95
Recommended thickness / coat, microns	200 DFT
Pot Life at 25° C, mins:	2 ½
Dry time at 30° C, hrs:	
SD	6
HD	16
Thinner / cleaner	Thinner No. 163
Fully cured	7 days
The fully cured film is resistant to:	Distilled water Petrol Xylene Acid Alkali

#### Application Instructions

##### Surface preparation

**STEEL SURFACE:** The steel surface must be dry and free from all contaminants. Old coatings, rust, waxes, oils etc. must be removed by mechanical methods, wire brushing or blast to SA 2½. All blasted surfaces must be coated immediately or before visible rust occurs.

**NEW CONCRETE:** The surface must be firm, dry, clean, free of dirt, oil, grease, and all other foreign matter. The age of new concrete must at least 28 days and a minimum tensile strength of 200 psi is required of the prepared surface before coating. Mechanical methods such as sandblasting, scarifying or shot blasting should be carried out to remove the weal layer of surface laitance.

**EXISTING CONCRETE:** The surface must be existing structurally sound, dry and free of all contaminants. Weak or contaminated concrete must be removed until sound concrete is realized. Old coating, toppings, waxes, oil etc. must be removed by mechanical methods.

##### Application

The two parts of **Estotect E230** shall be mix thoroughly until it obtained a homogeneous mixture, with 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 wet film thickness of 350 micron to 400 micron.

**ESTOTECT E230 SHALL NOT BE ADDED WITH WATER.**

##### Precautions

1. Do not use the mixed material beyond the recommended pot life.
2. Apply only between 10 – 35 °C. Avoid direct sunlight when applying. Temperatures above 30 °C will shorten pot life.
3. Use recommended thinners only to avoid problems in the finishing.

##### Packing & Size

<b>Estotect E 230</b>	5 kg sets 20 kg sets
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##### Coverage

Theoretical coverage @ 200 microns DFT	~ 3.5m <sup>2</sup> / kg
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## Technical Support

Denka 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-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 of 12 months.

## Precaution

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

## Additional Information

**Denka Construction Solutions Malaysia Sdn Bhd** 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.



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