

Estotect E250

Glassflake Epoxy Coating

Description

Estotect E250 is an epoxy based, high gloss non-toxic coating-based coating containing pigments and fine fillers. It is versatile and durable coating with excellent use for anti-corrosion as well as potable water lining for tanks and pipes.

It is supplied as a two-pack material in pre-weighed quantities ready for on-site mixing and use. The solvent free amine cured glass flakes epoxy system is suitable for lining raw water, sea water and also a wide range of chemicals.

Uses

The coating is both chemical and corrosion resistant and is suitable for applications to:

- Pipes
- Reservoirs & tanks
- Grain silos
- Water treatment works, breweries & dairies
- Meat and food processing plants

Advantages

- Non-toxic, suitable for contact with food and potable water.
- Chemical, mould and abrasion resistant.
- Smooth, glossy, easy to clean surfaces.
- Excellent adhesion to concrete, masonry and steel surfaces.
- Excellent abrasion resistant.
- Good resistance against wide range of industrial chemicals.
- Solvent free and high build.

Physical Properties

Finish	Gloss	
Volume Solid	Mixed 100%	
No. of components	2	
Recommended Thickness	200 microns WFT per coat	
No. of coats	2 - 3	
	20°C	30°C
Pot Life	30-40 mins	15-20 mins
Drying Time:		
Touch Dry	6 hours	3 hours
Fully Dry	7 days	7 days
Recoatable	24 hours	16 hours
Application Temperature	Minimum 5 °C	

Chemical Resistance guide

<u>Exposure</u>	<u>Immersion</u>	<u>Splash & Spillage</u>
Acids	Good	Excellent
Alkali	Good	Excellent
Solvents	Good	Excellent
Salt water	Excellent	Excellent

For more details, please contact ESTOP Technical Department.

Application Instructions

Surface Preparation

All surfaces must be clean and free from dust or loose material. Wet substrates should be sponge-dried to remove all free surface water.

Concrete surfaces: Should be sand blasted, water jet blasted or wire brushed.

Steel surfaces: Should be grit blasted to SA2½ or wire brushed to remove all mill scale and rust.

Running water must be stopped during the application and curing period. Where excessive seepage of leaks occurs consult the technical department.

Mixing

The contents of the base should be stirred thoroughly to disperse any settlement.

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

It is recommended that mechanical mixing is employed, using a stirrer on a heavy-duty slow speed electric drill.

Application

Apply material with a brush or roller. The first coat must be firmly applied and be well scrubbed into the surface; ensuring a continuous coating of uniform thickness.

The second coat will cover more readily than the first and should be applied 16 hours later, at 30°C.

Faster rates of application are possible using airless spray equipment. A minimum nozzle pressure of 2,000 psi (140 bar) with an orifice size of 0.65 mm (0.026 inch) has been found suitable.

For application in enclosed area, provide sufficient ventilation to ensure no entrapment of solvent vapour that might cause explosion.

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Packing & Size

Estotect E250	5.0 Litre pack
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Coverage

Estotect E250	4 – 5 m ² / L at 200 microns
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Theoretical coverage is quoted for guidance. Practical coverage may be lower, depending on substrate and application method.

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

12 months shelf life if stored below 25°C.

Precaution

Estotect E250 contains epoxy resin, which may cause skin sensitivity in certain individual.

Avoid skin contact. Wear suitable gloves and apply cream barrier.

Estotect E250 is non-flammable.

Additional information

Denka Construction Solutions Malaysia Sdn Bhd offers a wide range of complementary products which includes waterstops, waterproofing products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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