

Estop EasyProof

Dampness Sealing and Waterproofing Chemical for Concrete and Masonry Substrate.

Description

Estop Easyproof is a one component waterborne dual actions chemical that can achieved both surface and in-depth sealing by **film formation** and **crystallisation**.

Manufactured from a blend of Inorganic and Organic Polymers that is UV resistance and provide a long-term surface protection. It contains a mild biocide and it inhibits organic growth without endangering the environment.

On application, a surface film is formed rapidly, sealing off the surface causes the other component to penetrate deeply into the substrate and crystallised, providing in-depth pores sealing. One of its components increases the concrete pH to greater than 10, hence reducing re-bar corrosion. Depending on the quantity applied, while providing rapid protection, the curing process will continue as long as there are active components and moisture presence. To stop ground water intrusion without relieving pressure, **Estop EasyProof** can be injected into soil behind the substrate. Colloidal particles formed carried by ground water will block all seepage points up to 12 metres from the point of injection.

Uses

- Toilet and Kitchen
- Basement Walls and Floor
- Retaining and Tunnel Walls
- Concrete Rooftop and Car Park Deck
- Cement Fibre Boards
- Concrete Roads and Bridge Decks
- Bricks end walls

Advantages

- One Component
- Easy to use (brush, spray or injection)
- Translucent
- Abrasion resistance
- UV resistance
- Can be painted with Acrylic Emulsion Paint
- Will not support Algae growth
- Seal fine hairline cracks.

Physical Properties

Form	White free flowing liquid
Density, kg/L	1.05± 0.05
Drying Time	< 1 hr @ 25°C, 65% RH on concrete
Flash Point	Not flammable, water borne
Solid Content, %	>28
Application Temperature	10°C to 60°C
UV resistance	Excellent
Temp resistance	100°C, recover on cooling
Crack Filling	0.1 mm to 2 mm
Chemical resistance	Resistant to all inorganic except concentrated NaOH and KOH. Soluble in aromatic solvent
Depth of absorption	5 to 18 mm (on grade 30 concrete)
Packing	20 litre pail

Application Methods

Preparation

Remove all loose materials by high pressure jetting. Remove old paint by mechanical means i.e scrapper, wet grit blasting or needle hammer. Stop observable water leakage by using **Estop Water Plug**. Allow substrate to dry until no free water is observed.

1. Flood Infusion Treatment (Toilet Leak)

This method without hacking must be carried out by our trained applicator. Refer to Method Statement for further instruction.

2. Injection Method

Drill a 4 to 10 mm hole through the substrate, about 100mm below the highest point of leakage. Install a packed nipple. Under low pressure (<14 psi above water pressure) with a hand-pump inject 1 to 3 litres of **Estop EasyProof**. Check leakage after 12 hours and inject more if necessary. If not, seal the tube permanently with **Estocrete WR** (Epoxy Resin).

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Limitation

Estop EasyProof will not seal dynamic cracks. Contact with wood may cause colour change.

Cleaning

Clean tools with fresh water immediately after use. Glazed surfaces should be clean immediately on contact with fresh water if its original gloss is to be retained.

Packing & Size

Estop EasyProof	20 litre pail
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Technical Support

Denka offers a comprehensive technical support, including help at the design stage, application advice and on the site problem solving. Specifiers and contractors are encouraged to contact our trained staff for answers to their questions.

Storage

Store in shade under warehouse conditions and keep away from sources of heat.

Estop EasyProof has a minimum shelf life of 12 months. Shelf life may reduce if stored in extreme heat condition.

Precaution

Estop EasyProof will not exhibit health hazard. Good hygiene practice must be observed i.e wearing of gloves, goggles and safety equipment should be used when handling the product. Wash hand thoroughly before eating and drinking. Any accidental contact must be washed with clean water.

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 of products formulated for repair and refurbishment of spalled concrete are available.



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