

Estotect SWR

A Surface Water Repellent and Waterproofer

Description

Estotect SWR is a single component penetrating silane-siloxane system which penetrates into porous substrates and then reacts to produce a bonded hydrophobic lining to the pores. Although allowing passage of water vapour from the substrates it significantly reduces the absorption of water and water borne salts.

Estotect SWR does not discolour most substrates and has excellent resistance to weathering.

Uses

Estotect SWR is a silane-siloxane based surface water repellent and waterproofer for the invisible protection of brickwork, cement plaster, concrete etc., including limestone and chalks. It is particularly useful for dipping precast work, tiles etc.

Unlike the normally available silicone water repellents, **Estotect SWR** is suitable for application on damp surfaces.

Advantages

- Deep invisible penetration
- Fully water repellent in 24 hours
- Colour less and does not affect the original appearance
- Allows walls to breathe
- Minimises efflorescence
- Good water repellency
- Can be applied on damp surfaces

Standard Compliance

- **BS 3826:1969**

Test Results

| Material | Exposure Time | Water Absorption | |
|-------------------------|---------------|------------------|---------|
| | | Control | Treated |
| Common Brick | 24 hrs | 16.5 | 0 |
| | 170hrs | 17.2 | 0.01 |
| Fine Aggregate Concrete | 24hrs | 2.5 | 0.015 |
| | 170hrs | 2.6 | 0.100 |

Carried out by immersion of the treated face in water to 1/4", depth.

Application Instruction

Surfaces to be treated should be clean, free of stain and efflorescence. The application of **Estotect SWR** may be by brushing or spraying. When spraying is preferred, use a low-pressure spray that will give a non-atomised stream of liquid. When brush application is adopted allow for a rundown of approximately 30 – 35 cm.

Limitations

Estotect SWR requires 24 hours of exposure to the atmosphere before it becomes fully effective, hence it should be applied in dry weather conditions.

Do not allow the material to be in contact with aluminium, glass and porcelain. Protect such areas before application.

Before application on neutral stones, carry out a test to observe any deleterious effects of iron staining.

Packing & Size

| | |
|---------------------|-------------|
| Estotect SWR | 20L / Pail |
| | 200L / Drum |

Coverage

| | |
|---------------------|---|
| Estotect SWR | 2.8m ² – 4.6m ² per litre depending on the porosity of the surface. |
|---------------------|---|

One coat usually all that is necessary. However, on highly absorbent surface, a second coat is advisable.

Technical Support

Denka offers a comprehensive range of high-performance, high-quality products suitable for use within all aspects of the concrete repair and protection industry. In addition, the company offers technical support package to specifiers, end users and contractors, as well as on-site technical assistance all over the world.

Storage

Store in dry areas. Do not expose the material to air during storage. Effective shelf life is 12 months.

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Precautions

Avoid contact with eyes, mouth and nose. Provide efficient and adequate ventilation during application.

Additional Information

Denka Construction Solutions Malaysia Sdn Bhd also 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.



Denka Construction Solutions Malaysia Sdn Bhd
(591858-U)

No. 18, Jalan Utas 15/7, Seksyen 15,
40200 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: +603 5510 8810 Fax: +603 5518 8202

www.denka-cs.com

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