

# Estotect SWR<sup>(i)</sup>

## A Surface Water Repellent And Hydrophobic Agent

### 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 discolor most substrates and has excellent resistance to weathering. It protects against moisture and chloride intrusion.

### Uses

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

### Advantages

- Deep invisible penetration
- Does not alter surface appearance.
- One component for ease of application.
- Breathable to allow interior moisture to escape without damaging sealer.
- Good water repellency
- Protects again damage from moisture intrusion and chloride ion penetration
- Non staining

### Properties

|  |                    |
|--|--------------------|
| Form   | Milky White Liquid |
| Viscosity                                    | 200 +/- 20 cps     |
| Specific Gravity                             | 0.98 +/- 0.05      |
| Water absorption test BS 1881part 122 : 1983 | 0.01 %             |

### Application Instruction

Surfaces to be treated should be clean, free of oil, grease, loose particles, moss, algal growth, laitance and all traces of mould release oils and curing compounds. Lightly sand blasting is better. The application of **Estotect SWR** may be by brushing or spraying.

Stir material thoroughly before and during application. When spraying is preferred, use a low pressure non atomizing spray application.

On vertical surface, apply from the bottom up. Flood surfaces using enough material to get a 20 – 30 cm material rundown.

For horizontal surfaces, apply to saturation. If necessary, follow with a squeegee or broom for even distribution.

Average penetration will be 3 – 5 mm depends on surface porosity.

### Packing & Size

|                     |                                 |
|---------------------|---------------------------------|
| <b>Estotect SWR</b> | 18 kg Pail                      |
| <b>Shelf life</b>   | 1 year in an unopened packaging |

### Coverage

|                     |  |
|---------------------|--|
| <b>Estotect SWR</b> | Estotect SWR 0,3 – 0,5 kg/m <sup>2</sup> per mm thickness consumption. |
|---------------------|--|

*One coat usually all that is necessary. However on highly absorbent surface a second coat is advisable, over coating time around 2 hours after 1<sup>st</sup> coat is cured.*

## Limitations

Do not allow the material to be in contact with 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.

The application of **Estotect SWR** should not commence if the temperature of the substrate is below 5C.

## Technical Support

Estop 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 5 – 30 C. Do not expose the material to air during storage. Effective shelf life is 12 months.

## Precautions

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

## 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.

Rev 002/tech/K21

## 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 may give 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.*