

SOLTHERM IMP

Silicone Water Repellent Sealer

PRODUCT DESCRIPTION:

- minimises absorption of water,
- does not form a film,
- high vapour permeability,
- deep-penetrating,
- solvent-free,
- alkali-resistant,
- does not alter the colour of treated surface or give a glossy finish to it,
- protects from dirt and grime collection,
- reduces the potential of efflorescence development,
- increases weather resistance of the treated surface,
- prevents and increases resistance of the treated façade to organic growth.

USE:

SOLTHERM IMP is a water repellent sealer to inhibit water penetration of porous building materials such as:

- thin-coat mineral, acrylic and silicone renders
- traditional cement and lime-cement renders
- concrete
- AAC blocks, cellular concrete and sand-lime blocks
- masonry made with bricks or hollow clay tiles
- fibre cement sheets
- stone cladding (e.g sandstone)
- sound, firmly-bonded, free from cracking or crazing paint coating applied to the above substrates on building exterior
- roof tiles
- cement grouts

exteriors of new and existing buildings, ideal for locations intermittently exposed to damp e.g. rainfall. The best hydrophobic effect can be achieved on porous surfaces. It prevents water penetration through surfaces with hairline cracking of up to 0.2 mm.

SURFACE PREPARATION:

The surface must be sound, porous, without cracks or gaps, dry or slightly damp, clean of surface contaminants that may affect adhesion such as dirt, dust, grease, bitumen, as well as biological growth and chemical deposits. Remove loose, peeling or flaking paint or plaster.

PRODUCT PREPARATION:

Supplied as a ready-to-use product. Shake several times prior to application. Do not admix.

APPLICATION:

Apply by roller, brush or spray equipment until the substrate is thoroughly saturated. The second coat must be applied wet-on-wet, prior to complete drying of the first one, until the substrate is thoroughly and evenly saturated. When the sealer dries out completely, subsequent coatings cannot be applied.

When the sealer dries the silicone paint SOLTHERM STC-P+ with water beading or lotus effect can be applied or the no priming silicone paint SOLTHERM STC-P.

LIMITATIONS AND RECOMMENDATIONS:

- Do not apply to areas subject to prolonged water exposure, accumulated snow and areas not damp-proofed against capillary action.

- SOLTHERM IMP is not suitable to protect the surface and resist the passage of surface waters, ground water and water under pressure.
- Fresh cement and cement-lime renders can be treated after initial drying.
- Before application, cover or mask surfaces that are not to be treated.
- Plan the surface area to be sealed taking into consideration weather conditions, surface type and workforce.
- Protect from direct sunlight exposure, precipitation and wind during application operation and drying. Use scaffolding meshes.
- Avoid formation of spraying mist during spray application and protect the surrounding plants.
- Spray apply only in windless weather.
- Low temperature, increased humidity and improper air circulation extend the drying time.
- Clean tools and hands with running water immediately after use. After drying difficulties with cleaning may be experienced.
- Tightly seal the container and use the remnant product shortly.
- The sealer does not alter the colour of the treated surface, however, when applied to textured surfaces (such as thin-coat renders), the individual perception of colours may change, due to a change of sunlight reflection from the treated surface.
- Do not apply to non-porous substrates.

PRECAUTIONS:

Avoid contact with skin and eyes. In case of eye contact flush eyes immediately with plenty of clean water and seek medical attention, if necessary. Wear personal protective equipment during spray application. Do not breathe product spray. People not involved in the application should be kept away.

TOOLS:

- brush, paint roller or spraying machine with spray gun

TECHNICAL DATA:

The following technical data are for the temperature of +23 (±2)°C and relative air humidity of 50 (±5)%. Under other conditions the technical data may vary.

Ambient and surface temperature at application and drying:

from +5°C to +25°C

Relative humidity at application and drying:

up to 80%

Density:

ca. 1.00 kg/dm³

Colour range:

milky white, colourless after drying

Gloss level:

matte

Drying time of one layer:

at least 2 h

Full water repellency:

at least 5 days

Diffusion resistance Sd:

≤ 0.01 [m]

Durability of the coating:

at least 5 years

VOC content:

VOC limit (cat. A/g/FW) – 30g/l (2010)

Product contains max 30 g/l VOC

Packaging:

containers: 1 kg, 5kg

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No. of containers per pallet and net weight:

Container 1kg: 360 / ca. 360 kg

Container 5kg: 108 / ca. 540 kg

Shelf life:

12 months - date of production provided on the packaging

NOMINAL COVERAGE:

0.1 - 3.5 kg/m² for one coat application

Coverage will vary with the surface type, evenness, porosity and roughness. To determine precise coverage, perform a patch test on the surface.

STORAGE:

Store in intact original containers in temp. between +5°C and +25°C. Protect from direct sunlight and frost. Store away from the reach of children.

COMPOSITION:

Water-borne silicone dispersion and modifiers.

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