



### Non-staining, Solvent-based Water Repellent

#### Description

**Stone Silicon S** is one-component, solvent-based water repellent based on Silane-Siloxane, designed to reduce the absorption of water and water borne salts and impregnates inside substrate.

#### Uses

- To provide a water repellent surface on all types of new and existing structures like concrete, building stone, bricks, masonry unit, plaster, etc.
- Effective in coastal environments.

#### Characteristics / Advantages

- Single component, ready to use.
- Reduce the potential for efflorescence and staining from environmental pollutants.
- Non-absorbent, colorless.
- Penetrates through substrate pores.
- Highly resistant to weathering conditions.
- Protects stone against water penetration.

#### Standard Compliance

- EN 1504-2: Hydrophobic Impregnation, Principles: 1.1, 2.1, 8.1

#### Typical Properties

<b>Color</b>	: Clear
<b>Appearance</b>	: Liquid
<b>Specific Gravity (@23°C)</b>	: 0.85 ± 0.05 g/ml
<b>Rapid Chloride Permeability (ASTM C1202)</b>	: Low
<b>Full Cure</b>	: 48 – 72 hours
<b>Shelf Life</b>	: 12 months in original unopened containers
<b>Storage</b>	: Store in cool, dry conditions between +5°C and +25°C. Protect from frost, storage outside these parameters will dramatically reduce shelf life

#### Installation Instructions

##### 1. Surface Preparation

The substrate must be sound and clean from dust, oils, dirt, grease, curing compounds or any contaminants. Laitance shall be removed by mechanical means. Substrates should be also sufficiently cured to avoid any shrinkage cracks.

##### 2. Application

To achieve the perfect penetration property, the correct rate and method of application are necessary. **Stone Silicon S** can be applied by brush, roller or low-pressure spray. Avoid exposure to water within 3 – 4 hours minimum after application.

Number of coats	: 2 coats are recommended
Overcoating time	: Allowed to dry for a minimum of 2 hours (at 20°C) before applying the next layer.

##### 3. Cleaning

Tools should be cleaned immediately with **Shieldsolvent 70**. Hardened material should be removed mechanically.

#### Consumption

Approximately 0.20 – 0.40 L per m<sup>2</sup>

Note: This coverage is theoretical and may vary due to site wastage, substrate roughness/porosity and absorption rate as well as actual joint depth/width.

#### Storage

**Stone Silicon S** has a shelf life of 12 months when stored in its original unopened packing in dry conditions. Shelf life may reduce if the recommended storage conditions changed.



**MICSHIELD™**



**Stone Silicon S**

## Packaging

**Stone Silicon S** is supplied in 20-litre pails.

## Safety Instructions

**Stone Silicon S** may cause irritation to skin or eyes. Avoid contact with eyes or skin. If comes into contact with skin, wash immediately with water and soap. If comes into contact with eyes, wash immediately with water for several minutes and get medical advice or treatment if any emergency warning signs appear.

For further information, refer to the Material Safety Data Sheet.

## Disclaimer

Manaseer Industrial Complex has the right to amend its datasheets at any time. Please make sure to have the latest published datasheet version.

**This Product is Environmentally Friendly**

**Manaseer Industrial Complex**  
is a member of US Green Building

