

# Silcoat® W

## Non-Film Forming Water Repellent Sealer

### Uses

To protect atmospherically exposed reinforced concrete structures from attack by chloride ions and water intrusion. The product is also suitable to protect other cementitious substrates and masonry.

Silcoat W is suitable for use on all types of structures, including those in coastal environments. It is equally suitable for new and existing structures.

Silcoat W waterproofing sealer is particularly suitable for decorative, stained or exposed-aggregate concrete and for natural stone, bricks and pavers. Resists water, deicing salts, and gasoline.

### Advantages

- Penetrates into substrates
- Non staining
- Reduces water and chloride intrusion Increases freeze thaw resistance
- Minimizes efflorescence
- Allows water vapour to escape from the structure
- Chemically resistant to ice melting compounds, fuels, oils and atmospheric contaminants

### Description

Silcoat W 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 substrate it significantly reduces the absorption of water and water borne salts.

Silcoat W does not discolour most substrates and has excellent resistance to weathering.

### Properties

Appearance	Colorless liquid
Specific Gravity	Approx. 1.05 gr/cm <sup>3</sup> @ 20°C

### Instructions for use

#### Preparation:

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algal growth, laitance and all traces of mould release oils and curing compounds. This is best achieved by lightly sand-blasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the sand-blasting process.

#### Application:

In order to obtain the penetrating properties of Silcoat W, it is important that the correct rates of application and overcoating times are observed.

Number of coat	2
Theoretical application rate per coat	0.2 kg/m <sup>2</sup>
Overcoating time	2 hours @ 20°C

Silcoat W should be applied in two flood coats until the recommended total application rate of 0.4 litre per square metre has been achieved. This is best accomplished by using portable spray equipment of the knapsack-type.

Silcoat W should be allowed to dry for a minimum of 2 hours (@ 20°C) before continuing.

#### Cleaning:

Silcoat W should be removed from tools and equipment after use.

### Packaging

Silcoat W is available in 20 kg containers.

### Storage

When stored in the original unopened container in cool, dry conditions away from sources of heat and naked flames, Silcoat W will have a shelf life of 12 months.

If stored at high temperatures and/or high humidity conditions the shelf life will be reduced.

### Precautions

#### Health and safety:

Silcoat W does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

#### Fire:

Silcoat W is non-flammable.