



SILICONE WATER REPELLENT

DESCRIPTION

A single pack clear silane based water repellent for application to brick, natural stone, concrete and other masonry surfaces. Silicone Water Repellent penetrates deep into the surface thus reducing the ingress of water, and preventing water related problems, corrosion of reinforcement, loss of cement binder, and biological induced decay. It creates an invisible water resistant barrier which remains effective against moisture for many years.

USES

- External waterproofing of block, brick, fibrous sheet and porous tiled facades
- Prevention of moss growth and reduced dirt retention on walls and roofs
- Reduction of decay in sandstone
- Elimination of white salt spotting
- Protection of concrete reinforcement by reduced chloride ion diffusion.

SPECIFICATIONS

Non-volatile: alkyl silane oligomer, 4% active

Volatiles: Mineral Spirits

SURFACE PREPARATION

Hairline cracks do not require filling, however cracks wider than about 0.3mm should be sealed with an appropriate exterior filler. Repair damaged expansion joints and faulty joints. Remove any oil, grease or other contamination, including algae and moss before application. Treat moss with a suitable fungicide. Any salt exudation and efflorescence should be removed using diluted muriatic acid. Ensure that the substrate is free of oil, grease or other contaminants, and is thoroughly dry by visual assessment across the total area to be treated.

APPLICATION

Ideally apply Silicone Water Repellent to the substrate using a low pressure spray (hand pump pressure pot to small areas) to achieve total saturation of the surface. Apply two flood coats 'wet on wet' to achieve optimum penetration. Brushing, or by flood coat, or by 'double wet spray'. For larger areas use a low pressure airless spray unit. The distance between the spray nozzle and the wall should be 5 – 10cm to achieve best absorption. Apply until no more solution is absorbed and the spray solution runs approx 50 cm down a vertical face. Move the spray across the surface taking special care that the substrate is evenly wet during application.

Apply first coat: natural stone 1-2m²/L, brick 2-3m²/L, concrete 3-4m²/L.

Use an area of 1 to 2m² to assist in determining application rate.

Allow minimum 16 hours cure.

For optimum results, especially over porous surfaces, apply a second coat at approx 50% of the first coat.

DRY TIME

30 minutes to touch dry.

Allow minimum 16 hours cure before application of any additional surface treatments.

COLOUR

A clear product that leaves minimal surface effect.

CLEAN UP

Use Mineral Turpentine as soon as possible after application.

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PRECAUTIONS

Do not apply if rain is imminent within 6 hours of intended application. Avoid misting the product if spraying. Do not apply if the temperature is below 10°C, or if the temperature is likely to fall below that level during the drying period.
Protect overspray and splashes from windows, doors, vehicles and vegetation.

SHELF LIFE

18 to 24 months if stored in a cool, dry place in unopened containers. Storage at high temperatures and high humidity may reduce shelf-life. Once opened and resealed, use the remaining contents within 3 months.

HEALTH & SAFETY

This material is non-toxic and non flammable however the contents should not be inhaled or ingested. Wear basic vapour masks and gloves when handling. Wash splashes on the skin with clean water. Clean all spills with absorbent material. Provide adequate ventilation if using in enclosed areas. SDS is available upon request

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