

PRODUCT NAME

Radguard™

SUPPLIER

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DESCRIPTION

Radguard is the latest in water based alkyl silane liquid used for the protection of exposed mineral building materials.

It's low viscosity ensures deep impregnation & bonding to the substrate. Radguard application changes the absorption characteristics and surface energy to repel water while still allowing the structure to breathe.

Radguard's excellent repellency characteristics minimise the damaging effects of moisture such as efflorescence & penetration of destructive contaminants such as chloride ion (Salt) & atmospheric fall out.

Alkyl Silanes are used worldwide by engineers to protect buildings, bridges and wharves and is an excellent primer for Radcote Mineral Silicate Paint

AREAS OF USE

- Concrete, Render & Grouts
- Stone (Natural & Man-made)
- Blockwork, Brickwork & Pavers
- Terracotta
- Primer for Radcote Mineral Silicate Paint

BENEFITS

- Repels Water
- Reduction in reinforcement corrosion & spalling
- Minimises efflorescence
- Reduces spalling from freeze/thaw cycling
- Reduction in thermal conductivity
- Minimises rate of carbonation

PERFORMANCE DATA

- Reduction in water up take: >85%
- Reduction in chloride ion (salt ingress): >90%
- Typical depth of penetration: 4 – 10mm
- Tested AS/NZS 4456.10 Salt Attack Cycles: >40

SURFACE PREPARATION

All surfaces should be clean, dry and free from all dust, dirt, algae, grease, oil and any other surface contamination. Curing compounds must be removed by grit blasting

NOTES / LIMITATIONS

Avoid application when rain is expected within 2 hours. Always trial an inconspicuous area first to ensure satisfactory results. Over-spray will leave a film residue, remove splashes immediately with water.

HEALTH & SAFETY

When handling & applying use protective clothing, chemical resistant gloves and eye goggles. Avoid contact with skin & eyes, rinse immediately with water. Do not inhale vapours. Avoid plants, drains, water & soil. Wash hands thoroughly prior to handling food. - refer to Material Safety Data Sheet (MSDS)

PRODUCT INFORMATION

Colour & Finish	No Change to Original Substrate
Material	Alkyl Silane
Coverage	Avg 5 Sqm / Litre Between 2.5 Sqm & 10 Sqm / Litre (depending on porosity)
Shelf Life	24 Months
Packaging	5 Litre, 20 Litre & 200 Litre Drums

APPLICATION

Application Method	Spray or Roller
Coats	1
Technique	<ul style="list-style-type: none"> • Must remain a liquid film for 10 Seconds • Horizontal Surfaces - must have a mirror like "wet" look for 1 minute • Vertical Surfaces - a 350mm reflective flow must be visible • Remove excess Radguard after 5 minutes
Curing @ 25°C & 50% Relative Humidity	Initial Cure 4 hours Complete Cure 3 days
Application Temperature Range	3°C to 35°C
Clean-up	Water

Note: The information presented is intended guide only and is correct to the best of our knowledge at the time of publication. It should not be considered as a definitive approval for suitability for a particular purpose. Please contact the manufacturer, distributor or approved applicator for confirmation of suitability