

EUNICOTE AC14 (S)

SILANE/SILOXANE SEALER

DESCRIPTION

EUNICOTE AC14 (S) is a solvent-based silane/siloxane resin solution designed for sealing, waterproofing, and providing external protection to a variety of surfaces, including concrete, limestone, brickwork, natural stone, precast elements, and GRC panels. This product is produced under strict quality control measures and meets the standards outlined in BS 3826.

USES

EUNICOTE AC14 (S) is employed to enhance the water repellency and self-cleaning attributes of exterior concrete or masonry surfaces. When adequately prepared, natural stone surfaces can also benefit from this treatment without compromising their breathability.

ADVANTAGES

- Permits moisture vapor transmission
- Enhances water repellency and self-cleaning qualities when applied to both old and new concrete surfaces
- Mitigates the formation of unsightly efflorescence
- Limits salt ingress and minimizes its detrimental effects
- Achieves outstanding depth of penetration
- Exhibits high resistance to alkali
- Applicable to slightly damp substrates
- Designed for excellent penetration into compact, low-porosity surfaces

APPLICATION

Surface Preparation

Prior to application, ensure that all surfaces are clean, in good condition, and devoid of oil, grease, paint, or any other contaminants. While dry surfaces yield optimal results, minor surface moisture is acceptable. If dealing with brickwork, it's essential to repair any unsound joints using sand/cement pointing mortar. In the case of highly porous calcareous substrates like limestone, it's advisable to apply a suitable silicate sealer, such as EUNISEAL DPH, to facilitate proper adhesion.

TYPICAL PROPERTIES

Appearance	Clean, colorless liquid		
Flash Point	50°C		
Full Cure	24 hours		
Stain Resistance	Excellent		
Expected Wear	Up to 15 years		
Initial Surface Absorption (mL/m ² /second)			
	10 minutes	30 minutes	60 minutes
Control Mix	1.17	0.77	0.46
Treated Cube	0.03	0.025	0.02

Note: The typical comparative ISAT (Initial Surface Absorption Test) results on porous 6:1 mortar cubes demonstrate the surface water repellency of samples treated with 1 coat of EUNICOTE AC14 (S) at a rate of 5m²/L.

Application Instructions

Apply EUNICOTE AC14 (S) using a brush or spray, ensuring that there is no dripping or running. For porous substrates, a higher application rate of 6 m²/L per coat is recommended, with a 24-hour interval between coats. To achieve full waterproof protection for concrete surfaces, two coats of EUNICOTE AC14 (S) are required, each applied at a coverage rate of 5m²/L per coat. This product can also be used to safeguard cement renders and decorative paint coatings.

COVERAGE

The coverage of EUNICOTE AC14 (S) is approximately 5 m²/L - 7 m²/L per coat.

PACKAGING

EUNICOTE AC14 (S) is supplied in 20 liter drums , 25 liter gallons and 210 liters.

STORAGE

EUNICOTE AC14 (S) should be stored and maintained in unopened drums.

The shelf life of EUNICOTE AC14 (S) is 12 months from the date of production.

HEALTH AND SAFETY

For more information, please check the Material Safety Data Sheet.

CONTACT

Al-Faiha for Engineering Products is the exclusive licensee manufacturer for ECA.

For more information, please contact us at techsupport@alfaihaengineering.com.

DISCLAIMER

ECA aims to ensure the accuracy of information and recommendations in the product literature. However, due to variations in materials, substrates, and site conditions, and without control over product application, storage, weather, and usage conditions, ECA cannot be held liable for any resulting issues.