

EUNICOTE AC14

ANTI-CARBONATION PROTECTIVE COATING AND WATERPROOFING FOR CONCRETE

DESCRIPTION

EUNICOTE AC14 is a high-build, 100% acrylic elastomeric protective coating designed for concrete applications. It functions as a waterproof and anti-carbonation coating, protecting concrete from moisture, chloride ingress, and carbonation. Ready for use on various concrete and masonry substrates, both externally and internally.

USES

EUNICOTE AC14 is suitable for various concrete structures, including:

- Acts as a waterproof coating, providing protection to special concrete structures where moisture resistance is crucial
- Functions as an anti-carbonation coating, making it ideal for safeguarding bridge decks, columns, Retaining walls Bridge abutments and other structures exposed to traffic
- Its anti-carbonation properties help prolong the lifespan and structural integrity of these critical components

ADVANTAGES

- High diffusion resistance against CO₂ reducing the rate of carbonation
- Very good resistance against chlorides, weathering and ageing
- Environmentally friendly (solvent free)
- Reduced tendency to dirt pick up and contamination
- Available in a wide range of decorative colour
- excellent long-term weathering and UV resistance.

APPLICATION

Application Conditions: Temperature between 3°C and 45°C with a relative humidity of 87%.

TYPICAL PROPERTIES

Appearance	White, light grey or variable
Specific Gravity	1.32 ± 0.03 (@20°C)
Carbon Dioxide Diffusion	3.55 x 10 ⁻⁷ cm ² s ⁻¹
Elongation	180 %
Thinning	With water at a ratio of 10%
Drying Time:	
Touch Dry Surface	: 2.5 hours
Top Coat	: 11 hours
Full Cure (24°C and 50% RH)	: 8 days
(Joint Width:Depth = 1.5:1)(Joint Width:Depth = 1.5:1)	

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.

Application Instructions

Apply EUNICOTE AC14 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 are required, each applied at a coverage rate of 5m²/L per coat.

COVERAGE

The coverage of EUNICOTE AC14 is approximately 5 m²/L at 110 microns.

PACKAGING

EUNICOTE AC14 is supplied in 18-liter kits.

STORAGE

EUNICOTE AC14 should be stored and maintained in dry conditions at temperatures between 10°C and 25°C. The shelf life of EUNICOTE AC14 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.