

EUNICOTE WSS

GENERAL-PURPOSE WATER REPELLENT IMPREGNATION BASED ON SOLVENT-BASED SILANE/SILOXANE

DESCRIPTION

EUNICOTE WSS is a ready to use, general purpose single component solvent-based silane/siloxane water repellent impregnation designed for vertical or steeply sloping concrete, mineral-based natural and artificial stone, cementitious substrates and plasters. By deeply penetrating porous surfaces, it reacts with ambient humidity to create a water-repellent layer within pores and capillaries, preventing efflorescence and providing long lasting protection against harsh environmental conditions.

USES

- EUNICOTE WSS is a versatile product used for applying water repellency to a wide range of absorbent, porous, and mineral construction materials such as :
- Brickwork and various types of concrete
- Sand-lime brickwork and Cement fiberboards
- Mineral plasters, mineral-based natural and artificial stone
- Mineral paints, GRC panels
- Its application creates a protective water-repellent layer, enhancing durability and safeguarding against moisture damage
- Specifically formulated to protect concrete facades, plastering, and natural/artificial stone from rainwater damage

ADVANTAGES

- High depth of penetration.
- High resistance to alkalis.
- Tack-free drying.
- Effective even on damp substrates.
- Rapid development of water repellency.

TYPICAL PROPERTIES @25°C

Appearance	Clear, Colorless Liquid
Specific Gravity	0.79 ± 0.02
Flash Point	52°C

APPLICATION

Surface Preparation

Prior to applying the product, ensure that all surfaces are clean, sound, and free from oil, grease, paint, or any other contaminants. Dry surfaces typically yield the best results, although minimal surface moisture can be tolerated. In the case of brickwork, it is important to reinstate any unsound joints with sand/cement pointing mortar. Additionally, if the substrate is a soft porous calcareous material such as limestone, it should be sealed with a suitable silicate, such as EUNISEAL DPH, before applying EUNICOTE WSS (W).

Application Instructions

- To apply EUNICOTE WSS, use a brush or spray, ensuring no dripping or running
- For porous substrates, apply at a higher rate of 6 m²/L per coat
- Allow a 24-hour interval between coats
- For full waterproof protection for concrete, two coats of EUNICOTE WSS are required at a coverage rate of 5 m²/L per coat
- Alternatively, a single flood coat can be applied at a coverage rate of 2.5 m²/L
- EUNICOTE WSS can also be used to protect cement renders and decorative paint coats

Note :

- Properly cover non-absorbent surfaces like windows and aluminum frames before applying EUNICOTE WSS
- EUNICOTE WSS cures quickly and becomes very hard to remove after a few hours
- Avoid applying EUNICOTE WSS if rain is forecasted within 24 hours
- After applying EUNICOTE WSS, ensure impregnated surfaces remain dry

COVERAGE

The coverage of EUNICOTE WSS is approximately 5 m²/L Per coat.

CURING

The full development of water repellent properties typically occurs within approximately 72 hours at a temperature of 25°C.

PACKAGING

EUNICOTE WSS is supplied in 5, 25 Liters and 200 liters drums.

STORAGE

EUNICOTE WSS should be stored in unopened drums. The shelf life of EUNICOTE WSS 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.