

EUNICOTE 512 W

CEMENTITIOUS WATERPROOF COATING ENHANCED WITH ACRYLIC CO-POLYMER LATEX

DESCRIPTION

EUNICOTE 512 W is a two component, non-toxic, polymer modified cementitious, elastomeric, flexible waterproof coating with excellent crack accommodation for internal and external applications

USES

EUNICOTE 512 W can be used for the following applications:

- Leveling and smoothing uneven surfaces
- Filler for blowholes and other concrete imperfections
- Waterproof coating against water and chloride ingress on new structures and post-repair
- Damp-proof roofs, waterproof cellars, basements, and safeguard potable water tanks, water tanks
- For internal and external concrete and block walls

ADVANTAGES

- Provides a flexible sealing layer
- Easily applied using a brush or steel float
- Leveling coats of EUNICOTE 512 W exhibit remarkably low permeability, offering outstanding protection against the ingress of salt solutions
- Subsequent paint coats can be applied with increased cost-efficiency
- Demonstrates excellent adhesion to properly prepared surfaces
- Non-toxic, approved for contact with potable water
- Fungus and mold resistance
- Withstand positive water pressures

APPLICATION

Application Temperature not less than 5°C.

Surface Preparation

Prior to application, ensure that all surfaces are clean and in good condition. To enhance adhesion between EUNICOTE 512 W and the underlying substrate, it is advisable to eliminate any surface laitance by methods such as grinding or wire brushing.

TYPICAL PROPERTIES @25°C

Colour	Grey
Mixed Density	1.80 g/m ³
Specific Gravity (@20°C)	1.03 ± 0.02 g/cm ³
Tensile Adhesion Strength @28 Days (BS 6319, Part 7)	2 MPa
Flexural Adhesion Strength @28 Day (BS 6319, Part 7)	5.5 MPa
Compressive Adhesion Strength @7Days (BS 6319, Part 2)	8 MPa
Elongation at Break	20%
Recommended Thickness (Two-Coat Application)	1 - 2 mm
Working Time (@20°C)	30-45 Minutes
Workability	Thixotropic Paste
Resistance to Water Pressure	DIN 1048 @2mm thickness At 5 Bar Positive pressure

Note:

- These results were achieved using 2mm thickness
- No water is required; however, small additions are permissible to slightly enhance workability if needed.

Make sure that all dust and debris are completely removed before proceeding. Before starting the application, it is important to thoroughly wet all surfaces, and they should remain in a moist condition during the application process. Any excess surface water must be removed before applying EUNICOTE 512 W.

Mixing

Mixing Ratio: 3:1 (Component A:Component B)

The mixture can be prepared by following these steps:

1. Pour the liquid, Component B, into a suitable vessel
2. Stir Component B using a slow-speed paddle stirrer
3. Gradually add the powder, Component A, into the mix while continuing the stirring process
4. Stir until the desired consistency is achieved
5. Alternatively, use a pan mixer for convenience and consistency in the mixing operation

Application Instructions

To achieve smooth, finished, and sealed surfaces, it's crucial to start by preparing a smooth, trowelable slurry paste. This paste can then be applied using the edge of a float or trowel, typically in one or two coats.

Alternatively, Brush application may require 2-3 coats. Apply subsequent coats every 4-6 hours, ensuring the second coat is perpendicular to the first for optimal coverage, dependent on the prevailing ambient conditions.

As for trowelable putty mixes, prepare a paste consistency by mixing the product with a reduced quantity of gauging liquid. This trowelable putty can then be applied to address blowholes or surface defects using a trowel or steel float. This approach ensures efficient and effective application in various scenarios.

CURING

Despite the beneficial addition of an acrylic polymer that minimizes the risk of water loss and cracking caused by drying shrinkage, it is essential to follow sound curing practices, especially in arid conditions. To prevent premature drying, it is imperative to cure EUNICOTE 512 W using polythene sheeting or wet hessian immediately after the finishing process. Additionally, ensure that the mortar remains at or above 8°C for the initial seven days to promote optimal curing and long-term performance.

EUNICOTE 512 W can be submerged with water after 3-5 days of application depending on ambient temperatures and relative humidity.

COVERAGE

The coverage of EUNICOTE 512 W is approximately 10 m² - 12m² per 20 kg for two coats.

PACKAGING

EUNICOTE 512 W is supplied in 20 kg packaging, which includes:

- Component A: 15 kg plastic bags
- Component B: 5 kg plastic gallons

Without control over product application, storage, weather, and usage conditions, ECA cannot be held liable for any resulting issues.

STORAGE

EUNICOTE 512 W should be stored in a dry location with temperatures maintained above 0°C.

The shelf life of EUNICOTE 512 W is 12 months from the date of production.

HEALTH AND SAFETY

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

CONTACT

For information regarding the licensee or manufacturer for ECA, 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.