

EUNICOTE AQUASHEILD

SINGLE COMPONENT POLYURETHANE WATERPROOF COATING - UV RESISTANCE

DESCRIPTION

EUNICOTE AQUASHEILD is a one-component, solvent-based polyurethane waterproof coating. It can be applied to many types of surfaces and performs a chemical reaction with moisture in the air, forming a very tough, flexible, UV-resistant, seamless rubber-like waterproof membrane on the surface.

USES

EUNICOTE AQUASHEILD is a versatile coating used for waterproof:

- Exposed roof
- Terraces, and balconies
- Renovation of both new and old roofs

ADVANTAGES

- Excellent UV resistance.
- Single-component, cold application, instant use, convenient to apply.
- Safe and environmentally friendly, compliant with national standards.
- High tensile strength, good elongation, excellent resistance to high and low temperatures, adaptable to thermal expansion and contraction of substrates.
- Strong adhesion to concrete, wood, metal, ceramics, and other substrates.
- Forms a chemically reactive film, resistant to water, corrosion, mold, and highly impermeable.
- Seamless and uniform coating, dense and free of pinholes and bubbles.
- Suitable for a wide range of climates, including hot and cold regions.

STANDARD

EUNICOTE AQUASHEILD complies with the following standards: ASTM G154 As waterproof UV resistnace.

TYPICAL PROPERTIES

Appearance	White
Density	1.25 -1.35 kg/L
% Solid content (by volume)	≥ 90%
Elongation at Break:	≥ 620%
Tear Strength	≥ 18
Tensile Strength	≥ 3.6 MPa
Surface Dry Time	≤ 12 hours
Full Dry Time	≤ 24 hours
Low Temperature Flexibility	-35°C, No Crack
Water Tightness	Impermeable. 0.3 MPa ,120 min, No Leakage
Adhesion Strength	≥ 2 MPa
Ultraviolet (UV) Lamp Apparatus for Exposure	2745h / ASTM G154
Application Temperature	5°C - 35°C

Note: The data were tested under temperature: 23°C ± 2°C, heavy rain or storms can cause substantial damage to materials that are still in a liquid state.

APPLICATION

Application Conditions: Temperature between 5°C and 35°C. Dry conditions (no rain or snow), low wind conditions.

Surface Preparation

Before applying EUNICOTE AQUASHEILD the substrate should be clean, smooth and free from sharp edges. Fill cracks and grooves with sealing materials for waterproofing. Prioritize angles, tube roots and deformation seams for an extra waterproof layer.

Application Instructions

- Ensure the waterproof substrate is smooth, solid, and free of sharp protrusions; round off corners and junctions.
- Apply a 1 mm thick layer of polyurethane waterproof coating to corners, junctions, pipe penetrations, expansion joints, and construction joints; reinforce with non-woven fabric.
- Use manual scraping to apply the coating in 2-3 continuous layers, allowing each layer to surface dry (typically 18 hours) before applying the next, perpendicular to the previous layer.
- Apply multiple coats to edge areas.
- Conduct a 24-hour water tightness test for flat projects or indoor bathrooms, check for leaks, and apply a protective layer upon successful inspection.
- Use brush, roller or spray to apply the product.

Remarks:

1. Do not work in snowy, rainy, or windy conditions
2. Ensure the ambient temperature is between 5°C and 35°C.
3. Protect materials after application is completed.
4. No smoking or open flames at the construction site; ensure good ventilation.
5. Do not add diluent to preserve the waterproof performance of the PU film.

COVERAGE

EUNICOTE AQUASHEILD covers approximately 1.4 Kg/ m² at a thickness of 1 mm.

PACKAGING

EUNICOTE AQUASHEILD is supplied in 20kg drums.

STORAGE

EUNICOTE AQUASHEILD should be stored and maintained in a dry and well-ventilated indoor area, protected from direct sunlight, rain, and collisions. Ensure proper ventilation and maintain a storage temperature between 5°C and 40°C. Under normal storage and transportation conditions, the shelf life is at least 12 months from the production date.

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.