

EUNICOTE RBE

WATER BASED LATEX RUBBERISED BITUMEN EMULSION

DESCRIPTION

EUNICOTE RBE is a dark brown thixotropic, cold-applied bitumen emulsion enriched with 10% rubber latex, Formulated from selected raw materials to form a high build elastomeric waterproof and protective coating for concrete and masonry.

USES

EUNICOTE RBE can be used as a waterproofing and protective coating for the below:

- Vapor barrier coating for interior and exterior floors and walls
- Retaining walls
- Concrete slabs
- Shaded or tiled roofs
- Underground concrete foundations
- Wet floor areas such as bathrooms and kitchens
- Basement walls

ADVANTAGES

- Damp-proofing membrane for flooring and roofing structures
- Strong adhesion, ensuring a reliable and lasting connection to diverse surfaces.
- Forms a resilient and elastic impermeable coating, providing robust protection against environmental elements
- Functions as an adhesive, bonding materials such as wood blocks, wood mosaics, insulation board, expanded polystyrene, cork tiles, and providing a key for plaster on challenging surfaces
- Water based and therefore is environmentally freindly & non toxic.
- Asbestos free & odorless.
- Good resistance against dilute acids and alkalis, chlorid and sulphate ions.

STANDARD

EUNICOTE RBE complies with the following standards:

TYPICAL PROPERTIES	
Appearance	Dark brown thixotropic viscous liquid, dries black
Specific Gravity (@20°C)	1.00 ± 0.1
Solid Content	55% ± 1%
Rubber Content	10% ± 1%
Elongation	> 550%
Drying Time:	Surface Touch Dry: 1 - 3 h Full Cure: 12 - 24 h
VOC	<50 g/ltr
Application Temperature	5°C - 50°C
Service Temperature Range:	5°C - 80°C (dry film)

- Building Research Station Digest No. 54 Damp-Proofing Solid Floors
- Building Regulations 1976 and Amendments
- British Standard 3690:1970 "Bituminous for Road Purpose"
- British Standard Code of Practice 102:1973 "Protection of Buildings Against Water from the Ground"
- DOE Advisory Leaflet No.23 "Damp-Proof Courses"
- DOE Advisory Leaflet No.778 "Adhesives Used in Buildings"

APPLICATION

A. Application Conditions:

- Apply on dry days, ideally in the morning.
- Avoid use during rainy or potentially rainy conditions.
- Ensure proper ventilation in confined spaces.

B. Surface Preparation

- All surfaces must be sound, stable, and free from dust, dirt, and any loose matter
- Any oil and grease contamination should be removed before application
- EUNICOTE RBE can be applied to damp surfaces, but not waterlogged ones
- In very hot, dry weather, or on hot, dry, or porous surfaces, it's recommended to dampen the surface initially with clean water to facilitate the application of the product
- Surface defects like potholes and pinholes on building facades on the concrete shall be repaired

C. Priming

- On new concrete surface the bitumen coating can be applied directly. However, it is highly recommended to apply a priming coat on all old and porous substrates for improving the adhesion of the subsequent coats.
- The priming coat can be prepared in the work site by diluting EUNICOTE RBE with only 10% clean potable water.
- The priming material shall be mixed thoroughly using a low RPM paddle mixer to ensure proper homogeneity of the mix.
- Primer application can be done using a brush or roller.
- For large areas the application can also be done using an airless spray machine.
- The primer should be allowed to dry before applying subsequent coats for at least 6 to 8 hours.
- The area should be re-primed if there is a delay in the application of the top coat for more than 24 hours.

D. Application Instructions

When applying EUNICOTE RBE to concrete surfaces, it is recommended to use a minimum of two coats.

This dual-layer application ensures a desired thickness ranging between (0.5 - 1.0) mm, enhancing the effectiveness and durability of the coating.

E. Protection of Applied Coating

It is recommended to protect the applied coating especially on foundations from damage from ongoing site activities.

PACKAGING

EUNICOTE RBE is supplied in 18-Liter Pails and 200-Liter Drums.

COVERAGE

The coverage of EUNICOTE RBE can be approximately 2-4 m²/L/Coat depending on the surface.

STORAGE

EUNICOTE RBE should be stored and maintained at temperatures between 5°C and 30°C. Keep away from frost.

The shelf life of EUNICOTE RBE 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.