

EUNICOTE RBE F

FIBER REINFORCED WATER BASED RUBBERIZED BITUMEN COATING

DESCRIPTION

EUNICOTE RBE F is a dark brown cold applied bitumen emulsion with 8-10% added rubber latex and reinforced with long mineral fibers. Formulated from selected raw materials to form a high build elastomeric waterproof and protective coating for concrete and masonry.

USES

EUNICOTE RBE F is used as :

- Damp proof membrane behind retaining walls
- Damp proof membrane for basement structures on materials such as concrete, tiles, slated, mastic asphalt, roofing felts, asbestos cement
- Damp proof membrane in sandwich construction, as a general purpose waterproofer for walls, floors and other structures, and as a vapor seal
- For metal protection against corrosion of pipes, structural steelwork and other metallic equipment's

ADVANTAGES

- EUNICOTE RBE F can be used as a damp proofing membrane on flooring or roofing in structures
- Provides a long lasting membrane for Tanking and damp proofing membranes on concrete and brick foundations, retaining walls and bridge abutments
- Cold applied, easy to apply
- Dries to give a tough, elastic impermeable coating
- Sufficient elasticity to accommodate small movements
- Provides good adhesion
- Protection of concrete structures against sulphates and chlorides ions in soils
- Is particularly thixotropic and is easy to apply by brush, in thick layers
- Membrane can be easily repaired by spot application

TYPICAL PROPERTIES

Appearance	Black liquid
Specific Gravity (@20°C)	1.05 ±0.02 ASTM D2939
Solid Content	60% ±1% ASTM D2939
Rubber Content	10% ± 2%
Drying Time	4-6 Hours depending on air change, temperature , humidity and porosity of substrate, allow 24 hours between coats.
Application Temperature	Not below 5 °C
Service Temperature Range	-10°C to 85°C depending on operating conditions
Flash point	Non-flammable
Dry Flow Resistance	Dried film will not sag or flow

STANDARD

EUNICOTE RBE F complies with the following standards:
ASTM D1227 - 95 Type II, Class 1.

APPLICATION

A. Application Conditions:

- Generally, the product should not be used if it is raining or if rain is threatened
- It is best applied on the morning of a good drying day
- In confined spaces, allow ventilation for drying, as poor ventilation will prolong will drying considerably

B. Surface Preparation

- All surfaces must be sound, stable, and free of dust, dirt, grease, oil and all loose matter
- EUNICOTE RBE F may be applied to damp but not water logged surfaces
- In very hot, dry weather, hot, dry or porous surfaces should be initially dampening with clean water to aid application of the product
- Dry floor surfaces may be primed by dampening with clean water
- Care should be taken not to water-log the surface to be treated

C. Priming

- On new concrete surface the bitumen coating can be applied directly and there is generally no need for primer coat.
- If the surface is ferrous metal, asbestos cement, covered with oxidized bitumen or dusty prime with EUNICOTE RBE and allow it to dry before over coating.
- 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 24hours.

D. Application Instructions

When applying EUNICOTE RBE F to concrete surfaces, it is recommended to use a minimum of two coats by brush or spray.

Allow 24 hours between coats and apply each coat at right angles to the previous coat.

To maximize durability and flexibility, the coating can be reinforced with a fiberglass tissue. Protect from rain and frost until cured.

E. Protection of Applied Coating

It is recommended to protect the applied coating especially on foundations from damage from ongoing site activities. Also it is not resistant to rain and frost until it has dried, which may take up 24 hours or more depending on the ambient temperature.

F. Cleaning

Clean equipment with water immediately after use before EUNICOTE RBE F dries, use paraffin or white spirit if the materials have dried. During work place tools in water when not in use.

PACKAGING

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

COVERAGE

The coverage of EUNICOTE RBE F can be approximately (1 - 1.25) m²/L/Coat depending on the surface.

STORAGE

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

The shelf life of EUNICOTE RBE F 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

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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.