CHEMFLEX RBE

WATER-BASED PU BITUMINOUS ELASTOMERIC WATERPROOFING MEMBRANE

DESCRIPTION

CHEMFLEX RBE is a single component, high build, thixotropic, emulsified bitumen modified with PU pre-polymers and synthetic rubber copolymer of neoprene type. The fusion of PU pre-polymer and neoprene rubber bitumen imparts special properties to the emulsion such as better elongation, recovery and cold flexibility.

USES

Waterproofing of structural walls, foundation walls, floor slabs, copings, footings, tie beams, ramps, retaining walls, swimming pools, reservoirs & landscaping decks, plantations, lift pits, bathrooms, kitchens and other areas subject to constant ponding/immersion of water.

ADVANTAGES

- Highly elastomeric with up to 1000% elongation with excellent recovery. Will accommodate structural movements and allows membrane to stretch with movement in the substrate.
- Excellent adhesion to both green and cured concrete.
- High build and thixotropic. Does not sag or flow when applied vertically.
- Single-component, ready-to-use and eliminates the use of heating pots, blow torches and sealing tapes.
- Excellent resistance to chlorides, sulphates, mild acids, alkalis, oil, salts, common fuels, bacteria and to organic matter found in soil.
- Solvent free, no emission of dangerous fumes or vapors and non-flammable.

TECHNICAL & PHYSICAL PROPERTIES

Appearance	**Dark black, greyish gel**
Colour	**Black when dry**
Density	**1.05 ± 0.05**
Solids Content	**65% by weight**
Viscosity Brookfield @ 20 °C	**Min. 100 cp**
Softening Point	**> 120 °C**
Tensile Strength (ISO 527-2)	**> 1.4 MPa**
Elongation at Break (ISO 527-2)	**> 500 %**
Touch Dry	**4-8 hours depending on membrane thickness, temperature, humidity and wind conditions**
Full Cure	**7 days**

TYPE

WATER PROOFING

ADVANTAGES

HIGH ELONGATION | HIGH ADHESION | NON TOXIC | NON FLAMMABLE

COVERAGE (PER COAT)

0.5 L/m²

COATINGS

2 coats (min)

COMPONENT

1 PART

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SUBSTRATE PREPARATION

Concrete, mortar and masonry surfaces must be clean, free from grease, oil and loosely adhering particles. Steel and iron surfaces must be clean, free from rust, grease and oil. All surfaces must be as true and flat as possible.

Chip off sharp protrusions with a hammer. Clean off surface with high pressure water. If, for any reason, water cannot be used for cleaning, scrub dirt off with a stiff plastic brush. Clean up the dry loosened dirt with a vacuum cleaner or broom followed by a damp mop.

APPLICATION

CHEMFLEX RBE is a thixotropic gel which can be applied with great ease on vertical or horizontal surfaces to achieve desired thickness of the waterproof membrane. It can be applied by trowel, brush, short haired pile roller or sprayed by an airless sprayer.

For priming, mix one part of **CHEMFLEX RBE** with four parts of water to the prepared surface and allow it to dry out completely prior to the application of top coat. On other areas, surfaces should be dampened prior to application of **CHEMFLEX RBE.**

COVERAGE AREA

CHEMFLEX RBE 10 is applied at a rate of 0.5 L/m^2 per coat.

PACKAGING

20 litre pails or 200 litre drums.

SHELF-LIFE & STORAGE

A shell-life of up to twelve (12) months can be expected if in original sealed containers stored in a dry cool place under cover, out of direct sunlight. Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

Stir the product thoroughly prior to usage, if stored for long periods. Viscosity might increase if stored over long periods of time.

SAFETY PRECAUTIONS

As with all bitumen products, caution should always be exercised. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves whilst using the product.

Use a barrier cream if necessary. Avoid contact with skin or eyes. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the product be accidentally swallowed, do not induce vomiting.

Call for medical assistance immediately. Refer to product's MSDS for more information on health and safety handling.

Legal Notes:
'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

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