

Description

Sealed RBE 10 is a ready to use water based, cold applied, bitumen emulsion modified with high solids (SBR) latex. It forms a seamless, high elastic and durable film that adheres well to most of the common substrates. The product conforms with the following standards: ASTM D2939, ASTM C309, BS 102 and ASTM D1227-Type III, class 1.

Applications

- Waterproofing of concrete and block foundations, retaining walls, basement, kitchen, toilet and balconies
- Protective coating on concrete foundations
- Curing compound on freshly cast concrete structures
- Damp proof membrane in sandwich panel constructions
- Vapor proof barrier coating for interior and exterior floors and walls
- Adhesive for bonding woodwork, mosaics, insulation boards, expanded polystyrene, cork tiles

Advantages

- Cold applied, single component, seamless / joint free
- Superb adhesion, bonds tenaciously to most substrates
- Water based, non-toxic, environment-friendly
- Dual advantage of curing as well as protection of concrete
- Highly flexible coating applied on damp substrates
- Asbestos free and odorless. Can be applied in closed or confined areas
- Good resistance against dilute acids & alkalis, chloride and sulphate ions

Technical Properties

Property	Value	Standard
Density (g/cc)	1.05 ± 0.02	ASTM D1475
Solid Content (%)	40 ± 5	ASTM D2929
Rubber Content (%)	>10	-
Elongation (%)	>100	ASTM D412
Drying Time (min)	60	-
Application Temperature (°C)	5 - 45	-
Service Temperature (°C)	-5 - 75	-

Packaging and Coverage

The product is packed in 20 L pails and 200 L drums. For general use, the coat can cover up to 4m²/L per coat, and up to 5 m²/L per coat, if used as a curing compound.

Usage Instructions

Conditioning and preparation of substrate: The performance and ultimately the durability of the coating largely depends on the condition of the substrate on which it is coated on. The surfaces shall be thoroughly cleaned to remove all loose flakes, dust particles and cement laitance. Surface defects like potholes and pinholes on building facades on the concrete shall be repaired with an appropriate concrete repair mortar.

Priming: On new concrete surface the bitumen coating can be applied directly without applying a priming coat. However, it is highly recommended to apply a priming coat on all old and highly porous substrates for improving the adhesion of the subsequent coats. The priming coat can be prepared in the work site by diluting the bitumen coating with 20% clean potable water. The diluted coat shall then be mixed thoroughly with a proprietary paddle mixer to ensure homogeneity of the mix. Primer application can be done by a brush or roller. On large areas the application may be done by an airless spray gun. The applied primer should be allowed to dry before applying subsequent coats. The primed area shall be re-primed if there is a delay in the application of the top coat for more than 24hours.

Top coat: Application of Sealed RBE 10 is done by a suitable applicable roller or brush. Large area application may be done by an airless spray gun. When applying by airless spray, the emulsion coating has to be diluted and brought to the appropriate consistency for proper application. The coating shall be applied in a minimum of 2 coats for optimum performance. The coverage rate varies from 1 m²/L per coat (to achieve a 600 microns DFT used as the vapor barrier protection coating on concrete foundations) to 4 m²/L per coat (to achieve a 100 microns DFT used as moisture barrier coating on building facades). When applying multiple coats, all subsequent coats shall be applied when the previous coat has dried off completely.

Protection of applied coating: As the coating is bitumen based, it is extremely important to protect the applied coating especially on foundations from damage from ongoing site activities. Appropriate measures (e.g.150 micron polyethylene sheet) may be taken to cover and protect the coating.

Cleaning: Clean all tools after use with clean water. Hardened material can be cleaned with a solvent.

Safety

Irritation of upper respiratory tract, coughing and congestion may occur if inhaled. If ingested, gastrointestinal tract may get irritated. Please look at the Material Safety Data Sheet for details about safe handling of the product.

Storage and Shelf Life

The drums must be stored in a covered area away from direct sunlight, UV and other source of heat. Excessive exposure to sunlight and UV results in deterioration of product. Under mentioned conditions shelf life is 12 months.

Contact Info

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