

Polycoat RBE



TO SEAL & PROTECT

Technical Data Sheet

DESCRIPTION:

Polycoat RBE is a latex modified bitumen emulsion. It dries to form a tough black, seamless, flexible, water and vapour proof membrane.

FEATURES:

Can be used for a wide variety of applications, which includes the following:

- ▶ As an impervious waterproofing & protective coating on concrete foundations.
- ▶ As a curing compound on freshly cast concrete structures.
- ▶ As damp proof membrane in sandwich construction
- ▶ Waterproofing in wet areas such as toilets, kitchens etc.
- ▶ General waterproofing coating for both interior & exterior floors & walls.
- ▶ Adhesive for bonding woodwork, mosaics, insulation boards, expanded polystyrene, cork tiles.

ADVANTAGES:

- ▶ Cold Applied.
- ▶ Single component, easy to apply.
- ▶ Can be applied on damp substrates.
- ▶ Dual advantage of curing as well as protection of concrete.
- ▶ Asbestos free, odourless and can be applied in closed or confined spaces.
- ▶ Water-based and therefore is non-toxic. Can be used in contact with potable water.
- ▶ Environmentally friendly.
- ▶ Has excellent resistance against soil acids, alkali, chloride and sulphate ions.
- ▶ Has excellent adhesion to most building substrates
- ▶ Seamless/ joint free.

TECHNICAL PROPERTIES

Colour	Dark Brown
Rubber Content	> 10% in the dried film
Adhesion to concrete	0.78 N/m ²
Dried Film softening point	> 98°C
Specific Gravity	1.05 to 25 °C
Flash point	Non- flammable
Service Temperature	-10°C to +100°C
Application Temperature	+5°C to +50°C
Drying Time	30mins at 25°C

Solid content	60% \pm 5 approx (ASTM D 244)
Curing Efficiency	<0.50 kg/m ³ (ASTM C 309)
Conforms to	ASTM D 2939, BS 8102

APPLICATION INSTRUCTIONS

Surface Preparation

All surfaces where **Polycoat RBE** will be applied should be cleaned of all dirt, dust, oil, grease and other deleterious materials which will affect the bonding. All traces of water based curing compound if applied must be removed completely. Light mechanical grinding/ grit blasting/ high pressure water jet may be used to clean the surface of all the contaminants.

Priming

It is highly recommended to apply a priming coat prior to the application of **Polycoat RBE**. Dilute **Polycoat RBE** with 20% water and apply this dilute coat as primer. For very hot and porous substrates apply two coats of this prime. The prime can be applied to damp or freshly cast concrete surfaces also. However, it should not be applied on waterlogged or flowing water surfaces. The top coat should be applied only after the primer coat dries off completely. In case the top coat should be applied only after the primer coat dries off completely. In case the top coat is not applied within 24 hours of application of the primer, a fresh coat of primer is to be applied.

Foundation Waterproofing

Stir the contents of the drum thoroughly before applying to remove any sediment. Depending on the thickness required, apply **Polycoat RBE** @ 0.25 to 1lt./m². For vertical areas, a two coat application is recommended in order to prevent sagging. The second coat is to be applied only after the first coat has dried completely and it to be applied at right angles to the first coat. Clean dry sand may be sprayed onto the wet coating to provide a key for the subsequent coats and achieving a greater Dry Film Thickness. The coating should be applied and finished up to the DPC level. If a plaster or cement render is to be applied onto the bitumen coated surface, the coating is to be gritted with clean dry sand when it is still wet. Leave the coating for curing for a min period of 48 hours before applying any render or plaster. Proper care is to be taken to ensure that the first coat is not punctured during the application of the second coat. However, in case the membrane is damaged, the area can be readily over coated provided the surface preparation is done properly.

Road & Wet Area Waterproofing

Apply **Polycoat RBE** @ 2 lt./m² on horizontal and vertical surfaces to obtain a Dry Film Thickness of 1mm in two coats. A glass fibre cloth may be sandwiched in between the first and second coat to give the membrane an added reinforcement. Blind the second coat when still wet with clean and dry sand to provide a key for the top screed. Allow the coating to dry for a minimum period of 48 hours before applying the screed.

Adhesive

Polycoat RBE has very good waterproof adhesive properties and can be used for bonding various materials such as asbestos tiles, asphalt, cork and wooden blocks. Apply the bitumen coating onto the concrete surface with a notched trowel @ 1 lt./m². When the coating is still tacky, lay the tiles or wooden blocks and press firmly into place.

COVERAGE

The coverage varies depending on the type of use:

General Use	: 1lt. to 4lt./m ²
Curing Compound	: 4 lt./m ²
DPC Sandwich Membrane	: 2 lt./m ²

Adhesive : 1lt. /m2

CLEANING

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

PACKING

20 lt. Pail & 200lt. Drum.

STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperatures. Shelf life is up to 12 months in unopened condition and when stored as per recommendations. Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

HEALTH & SAFETY

As with all bitumen products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. (See packing for specific instructions). Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting. Call for medical help immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.