

POLYPROOF RB

Rubberized bitumen emulsion

Uses

POLYPROOF RB is cold applied rubberized bitumen for use as a damp proof membrane in sandwich construction, as a general purpose waterproofed for walls, floors and other structures, and as a vapor seal. It is also an effective adhesive and bonding agent for insulation boards, expanded polystyrene, and cork panels etc-

Advantages

- Single component
- Water based - non toxic
- Highly extensible. Non flammable
- Resists attack by chloride and sulphate ions
- Asbestos free

Standard compliance

POLYPROOF RB complies with concrete curing requirements of ASTM C309-93 when applied at a rate of 1.25m²/litre

Description

POLYPROOF RB rubber reinforced bitumen emulsion is dark brown in colour and dries to form a black, flexible coating.

POLYPROOF RB HL 65% solids, 11.8% rubber content is available for critical applications.

Technical support

POLYCOO offers a comprehensive range of high performance, high quality repair, maintenance and construction products.

In addition, **POLYCOO** offers a technical support package to specifies, end-users and contractors, as well as on-site technical assistance in locations all over the world.

Standards Compliance

POLYPROOF RB conforms to international standards ASTM D1227-87, Type II and ASTM D1187-95, Type II & ASTM C309.

Properties

Drying time: 3 hours @ 20°C
Over coating time: 3^{1/2} hours minimum

Note: These times will be extended under conditions of low temperature and high humidity.

Resistivity against chemicals and salts: resists dilute chemicals (about 7% conc.) salty solutions (about 15-18% conc.).

Specification clause

Rubberized bitumen emulsion waterproofed.

The below ground concrete surfaces shall be waterproofed with **POLYPROOF RB**, a rubberized bitumen emulsion. Two coats shall be applied each at a rate of 1-1.5m per liter providing a total dry film thickness of 250 microns. The two coats shall be applied at right angles to each other.

Application instructions

Surface preparation

All surfaces must be clean, dry and free from dirt, dust, oil and grease. All loosely adhering particles such as rust, scale, cement laitance etc should be removed- All organic growth should be removed using a fungicidal wash, followed by thorough washing with clean water.

Application

POLYPROOF RB should be applied by brush or squeegee to prepared surfaces. Stir well before use, replace lid when not in use. Soak up any spillage with sand or sawdust and wash down surface immediately.

Damp proof membrane and vertical vapor barrier

Apply **POLYPROOF RB** at the rate of 1-1.5m per liter per coat to a dry film thickness of 200-250 microns. Two coats should be applied, allowing the first coat to dry completely before applying the second. The second coat should be applied at right angles to the first. All applications should be continued up verticals to the existing damp proof course. Ensure the membrane is not punctured or damaged during subsequent operations. Where the surface is to receive a render or plaster finish, a keyed surface should be formed by gritting the second coat of **POLYPROOF RB** with clean, dry sand. Allow a minimum of 48 hours drying period before plastering, rendering, or laying floor screed.

Flooring adhesive

POLYPROOF RB is a very effective waterproof adhesive for laying wood blocks, cork, asphalt and asbestos tiles. The surface should be clean, sound and smooth and the **POLYPROOF RB** should be applied

to the screed with a notched trowel. Leave for a short period until the **POLYPROOF RB**

becomes tacky, and then the tiles should be pressed into place. Contamination of the upper surface of the tile should be cleaned off immediately with a clean cloth.

Follow any special recommendations made by the tile manufacturer carefully.

Adhesive for insulation

POLYPROOF RB is suitable for bonding insulation materials such as expanded polystyrene, fiberboard and cork slabs onto walls and floors. The two surfaces to be bonded must be clean, level and free from all points of contact.

POLYPROOF RB should be applied to both surfaces and allowed to become tacky (colour beginning to change from brown to black). The two surfaces should then be pressed together, using maximum pressure.

Note: **POLYPROOF RB** is not a structural adhesive, therefore mechanical fixing should be used where appropriate.

Repairs

Damaged areas of **POLYPROOF RB** can be readily over coated to restore the continuity of the membrane.

Cleaning

POLYPROOF RB can be removed with clean water. When dry, it can only be removed with **POLYCOO Solvent 103***.

Limitations

Application should not commence if the temperature is below 6°C or above 40°C.

Estimating

Supply

POLYPROOF RB : 210 liter drums

Coverage

4m² per liter per coat @ 100 micron dry film thickness depending upon substrate porosity and smoothness.

Storage

Shelf life

Minimum 6 months if stored below 35°C in the original unopened containers.

Storage conditions

Store under normal warehouse conditions (under 35°C) in the original unopened containers.

Precautions

Health and safety

Some people are sensitive to resins and solvents, so gloves and barrier creams such as Kerodex Ant solvent or Rozalex Ant paint should be used when handling these products. Remove contamination from skin with soap and water or resin removing creams such as Ceruleans Standard Grade Skin Cleanser or Rozacleanse Industrial Skin Cleanser. Follow by washing with soap and water. Do not use solvent. The use of goggles is recommended, but should accidental eye contamination occur, wash thoroughly with plenty of clean water and seek medical treatment immediately.

Guarantee / Warranty

We warrant our products to be of good quality and manufactured to rigid standards. This warranty is in lieu of any and all other warranties expressed or implied.

This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose.

POLYCOO services is free and the company does not accept liability for any loss arising from it.

Technical Services

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.



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