

# POLY PROOF RB

## Rubberized bitumen emulsion

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### Uses

**POLY PROOF 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

**POLY PROOF RB** complies with concrete curing requirements of ASTM C309-93 when applied at a rate of 1.25m<sup>2</sup>/litre

### Description

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

**POLY PROOF 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

**POLY PROOF 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<sup>1/2</sup> 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 **POLY PROOF 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

**POLY PROOF 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 **POLY PROOF 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 **POLY PROOF RB** with clean, dry sand. Allow a minimum of 48 hours drying period before plastering, rendering, or laying floor screed.

#### Flooring adhesive

**POLY PROOF 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 **POLY PROOF RB** should be applied

to the screed with a notched trowel. Leave for a short period until the **POLY PROOF 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**

**POLY PROOF 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.

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

#### **Repairs**

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

#### **Cleaning**

**POLY PROOF 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**

**POLY PROOF RB** : 220 liter drums

##### **Coverage**

4m<sup>2</sup> 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.



Under technical collaboration with

**Polycoo Industries Ltd.**

Sole distributor in Egypt: Polycoo Company

[www.polycoo.com](http://www.polycoo.com)

5 Kamel Sedki Street, Ramsis Square, Cairo, Egypt

Sales Tel.: ++202-5918653/++2025918053/++20-122-3102700 Fax: ++202-5918053