

## Techno Proof SB

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### **Bituminous waterproofing coating**

#### **Uses**

Techno Proof SB is designed to provide a continuous barrier to the passage of water and water vapor and can be used to produce vapor barriers, damp proof courses, below ground concrete protection, concrete curing by water retention, and corrosion protection to metal surfaces but not for potable water.

#### **Advantages**

- Single component.
- Easily and inexpensively applied.
- Resists attack by chloride and sulphate ions present in ground water.
- Can be applied to damp concrete substrates.
- Quick drying.
- Excellent adhesion to most common building substances.
- High coverage rates.
- Tough.

#### **Description**

Techno Proof SB is a low viscosity blend of selected bitumen in solvent, which dries to form a high quality tough bitumen film.

#### **Properties**

Drying time approx. 15 to 60 min. Over coating time 2x dry time. Drying time will depend on temperature, air movement and substrate.

#### **Specification Compliance**

Techno Proof SB complies with ASTM D71-78 and ASTM C309

#### **Instructions for use**

##### ***Surface preparation***

Preparation of surfaces prior to application is most important. Surfaces must be clean and dry all loosely adhering particles such as rust, mill scale, mortar, cement laitance, should be carefully removed by wire or stiff brushing and finally soft brushing or filtered compressed air to remove dust. For optimum adhesion to steel, grit blasting to SA2 1/2 is recommended.

Surfaces must be free from oil and grease. In the case of cementitious

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## **Modern Technologies for Construction Chemicals**

**Factory: Wadi Elnatroun - First Industrial Area.**

**Head Office: New Maadi - 3\288 St.**

**Fax. & Tel.: 02-25200833      Mob. : 010 209 65554**

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surfaces, oil and grease can be removed by the use of M.T.C. Chemical Degreaser and in the case of steel work, oil or grease should be removed by a suitable degreasing solvent (Techno solvent 102).

Techno Proof SB can be applied to damp concrete, brick, and plaster surfaces provided there is no free surface water or bleed. A test patch is recommended where there is doubt. Application Techno Proof SB can be applied by brush, roller or spray equipment to prepared surfaces, for a variety of purposes. Stir thoroughly prior to use.

### **1. Damp proof membranes, vertical vapor barriers**

Apply a full coat Techno Proof SB and allow to dry. Coverage rate should be approximately

3 m<sup>2</sup> per liter. Apply a second coat of Techno Proof SB at right angles to the first coat.

### **2. Water tank and pipe line protection**

Two coats of Techno Proof SB should be applied as in 1. Where necessary the coating can be thickened at floor/wall corners by forming a 20mm x 20mm fillet of Techno Proof RB onto the first Techno Proof SB coat and liberally coated with a second coat of Techno Proof SB.

### **3. Concrete screeds or render**

Where it is necessary to cover the membrane with a screed or render, clean grit 2mm nominal size should be broadcast into the wet second coat to provide a mechanical key. All loose grit should be removed prior to placing the screed/render. (Care should be taken to ensure that the membrane is not damaged during placing of the screed).

### **4. Curing compound**

Apply two coats of Techno Proof SB as in 1 above. Repairs Damaged areas of Techno Proof SB can be readily over coated to restore the continuity of the membrane.

### **Cleaning**

Tools and equipment should be cleaned with Techno Solvent or similar immediately after use.

### **Precautions Health and Safety**

The use of Goggles is recommended but should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical treatment immediately.

Techno Proof SB contains solvents, avoid breathing the vapors and ensure good ventilation.

### **Spillage**

Replace lid when not in use. Soak up any spillage with sand or sawdust.

### **Storage**

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Shelf life at least 12 months in original unopened containers. Product should be stored in original unopened containers away from direct sources of heat or naked flame. Storage should be in full shade or warehoused conditions. Do not cover with tarpaulin other than for trucking purposes.

**Coverage**

Normally 3 to 5 m<sup>2</sup>/ liter dependent upon substrate porosity and smoothness.

**Packaging**

Techno Proof SB ...in 20 and 200 Liter drums.

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