

# Technical Data Sheet

## AS-700

### BX Bitumen Emulsion Waterproofing

#### Physical Properties

**Appearance:**  
Dark brown viscous liquid

**Odour:**  
Asphalt odour

**Application temperature:**  
5 °C – 40 °C

**Storage:**  
Store in a dry and cool place with temperature below 30 °C.

**Shelf life:**  
12 months

**Packaging:**

Content	Quantity/ carton
4.5 kg Pail	4
18.0 kg Pail	1
20.0 kg Pail	1
200.0 kg Drum	1



#### Description

ALSEAL BX Bitumen Emulsion Waterproofing is a heavy-duty, multi-purpose, water-based bitumen emulsion coating for joint-less waterproofing compound and allows high water vapour permeability against the blistering. It is economic, ready-to-use and dry into flexible, odor-less, taint free, toxic free, fungus resistance, durable coating especially effective in reducing "concrete cancer", carbonation, spalling and sole plate attack.

#### Applications

- ◆ **General waterproofing:** concrete, brick, bitumen & mastic asphalt membranes, asbestos cement, slates, tiles, lead copper, zinc, corrugated iron and similar surfaces.
- ◆ **Wet area waterproofing:** toilet, kitchen, balconies, walls, planter box, insulation protection, etc.
- ◆ **Metal protection:** against pipe corrosion, structural steelwork, gutting and down pipes, shed walls water tanks, troughs, metal fence posts, garden frames windmill frames, drums, outdoor machinery and other metallic equipment.

#### Features

- ◆ Ready to use
- ◆ Free of solvent, odour and taint
- ◆ High temperature stability
- ◆ Fungus resistance

#### Technical Data

Solid content	: 47 – 55 %
Specific gravity	: 1.00 ± 0.03
pH (25 °C)	: 8 - 11
Thermal conductivity, K Value (ASTM E1530-06)	: 0.69 W/ mK (2mm thickness)
Thermal resistance, R Value (ASTM E1530-06)	: 3.22e <sup>-3</sup> m <sup>2</sup> K/W>300%
Solubility in water	: Emulsifiable



**AS-700  
BX Bitumen  
Emulsion  
Waterproofing**

**Usage Instructions**

**Substrate Preparation**

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Repair cracks, breaks, open seams with a heavy sealer.
3. Prepare porous surfaces by priming with diluting 1:1 ratio with water, treat with fibre mesh before it dry.

**Application Direction**

1. Stir well before use.
2. Apply at the rate of 1.33 litre/m<sup>2</sup> by brush, roller or soft bloom.
3. For best results apply two coats, with the first coat allowed to dry before applying the second coat at the right angles on the first coat.
4. Each coat should exceed 1 mm thickness and allow at least 4 hours for single coat to dry. Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.
5. For reinforcement purpose, an open woven glass fiber may be incorporated onto uncured first coat and apply the second coat before it is completely dry.
6. All wet material, tools, and equipment may be cleaned with water. Rinse tools and equipment with water before use. Clean with water when wet, but with white spirit when dry.
7. Protect the coating surfaces from frost and rain until fully cured. The maximum durability is obtained if the coating is left 2-3 days for full curing before apply any protective coating on top.

**Caution**

Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

**Disclaimer**

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