

Technical Data Sheet

BC Damp Proof

Solvent-Based Bituminous Primer

1. Product Description

BC Damp Proof is a high-quality, solvent-based bituminous primer designed to seal and prepare porous surfaces such as concrete, screeds, and masonry prior to the application of bituminous membranes or coatings. It enhances adhesion and ensures a durable bond between the substrate and subsequent waterproofing systems.

Suitable for use in hot and tropical climates.

2. Recommended Uses

BC Damp Proof is used as a primer for:

- Torch-applied or self-adhesive bituminous waterproofing membranes.
- Bituminous coatings and emulsions.
- Foundations, retaining walls, and basements.
- Roof decks, terraces, and wet areas prior to membrane installation.
- Concrete, mortar, brickwork, and metal substrates.

3. Features & Benefits

- Excellent adhesion and bonding to various substrates.
- Reduces surface porosity and dust, improving membrane performance.
- Quick-drying and easy to apply by brush, roller, or spray.
- Ready-to-use formulation—no dilution required.
- Suitable for both vertical and horizontal applications.
- Effective even in high ambient temperatures.
- Compatible with all torch-applied and self-adhesive membranes.



4. Technical Data

Property	Typical Values	Test Method
Appearance / Color	Black liquid	Visual
Base	Bitumen solution in solvent	—
Density @ 25°C	~0.90 – 1.00 kg/L	ASTM D1475
Flash Point	≥ 35°C	ASTM D92
Application Temperature	+5°C to +50°C	ASTM D2939
Drying Time	~3 ± 1 hours (depending on weather)	ASTM D1640
Solid Content	45 – 55%	ASTM D1644
Adhesion to Concrete	Excellent	ASTM D4541

5. Application Guidelines

Surface Preparation

- Ensure the substrate is clean, dry, and free from oil, grease, dust, or any loose particles.
- Repair cracks or surface imperfections prior to priming.
- Substrate moisture content should not exceed 4%.

Application Method

1. Stir BC Damp Proof thoroughly before use.
2. Apply evenly by brush, roller, or spray in a single coat.
3. Allow the primer to dry completely before applying the waterproofing membrane.
4. Only prime areas that will be covered the same day.
5. If left uncovered for more than 24 hours, reapply a fresh coat before proceeding.



6. Coverage

- Brush or Roller: 250 – 350 g/m²
- Spray: 150 – 250 g/m²

(Coverage varies depending on surface porosity and texture.)

7. Packaging

- 20 kg pail

8. Shelf Life & Storage

- Shelf Life: 12 months from the date of manufacture.
- Storage Conditions:
 - Store in tightly closed original containers, in a cool, dry, and well-ventilated area.
 - Keep away from heat sources, sparks, and direct sunlight.
 - Storage temperature: +5°C to +35°C.

9. Health & Safety

- Flammable liquid—keep away from open flames and sparks.
- Ensure adequate ventilation during application.
- Avoid inhalation of vapors and contact with skin or eyes.
- Use appropriate PPE (gloves, mask, goggles) during handling.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Dispose of containers and waste material in accordance with local regulations.

DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

