

# Technical Data Sheet

## BC Bitumen Primer

Premium Quality, Cold-Applied Fast Curing Bitumen Primer

### 1. Product Description

BC Bitumen Primer is a high-performance, cold-applied, fast-curing primer based on oxidized bitumen and fast-evaporating solvents. It is enhanced with wetting and adhesion-promoting additives to ensure excellent bonding of bituminous membranes and waterproofing systems to a variety of substrates. The product meets and exceeds the specifications of ASTM D-41.

### 2. Key Features & Benefits

- Cold-applied, fast-curing formulation
- Excellent adhesion to concrete, metal, and masonry substrates
- Promotes strong bonding for bituminous membranes
- Ready to use; no heating required
- Suitable for above or below ground applications
- Quick drying; allows faster project completion
- Compatible with a wide range of BC waterproofing systems

### 3. Typical Applications

BC Bitumen Primer is suitable for:

- Concrete roofs and slabs
- Brickwork and masonry walls
- Metal surfaces
- Below or above ground waterproofing
- Substrate preparation for BC Modified Bitumen Membranes



## 4. Technical Properties

Property	Typical Value	Test Standard / Remarks
Appearance	Dark brown viscous liquid	Visual
Solids Content	~55%	ASTM D41
Flash Point	40 °C	ASTM D93
Drying Time	30 – 60 minutes (depending on temperature and substrate)	ASTM D1640
Application Rate	0.2 – 0.3 kg/m <sup>2</sup>	Roller, brush, or spray
Shelf Life	24 months (unopened)	Stored at 5–30 °C
VOC Content	<350 g/L	Calculated per ASTM D3960
Service Temperature	-10°C to +60°C	—

## 5. Surface Preparation

- Surface must be clean, dry, and free from dust, oil, grease, loose particles, or other contaminants.
- For highly porous surfaces, a second primer coat may be applied to ensure complete saturation.
- Ensure proper curing of substrates before primer application.

## 6. Application Instructions

1. Stir BC Bitumen Primer thoroughly before use.
2. Apply uniformly using a soft brush, roller, or spray equipment at the rate of 0.2–0.3 kg/m<sup>2</sup>.



3. Allow the primer to dry completely before applying bituminous membranes or other BC waterproofing systems.
4. For highly absorbent substrates, apply additional coats as required.

Avoid puddles or excessive thickness as it may prolong drying time.

## 7. Coverage

Substrate Type	Coverage
Concrete, masonry, or metal	0.2 – 0.3 kg/m <sup>2</sup> per coat

Coverage may vary depending on surface porosity and texture.

## 8. Packaging

Packaging Type	Net Volume / Weight
Steel Drum	200 kg
Steel Drum	100 kg
Plastic Pail	20 kg

## 9. Storage & Shelf Life

- Store in ventilated, covered areas at temperatures between 5°C and 30°C.
- Protect from frost, direct sunlight, and moisture.
- Shelf life: 24 months for unopened containers.

## 10. Cleaning

- Tools: Clean immediately after use with petroleum solvents.
- Hands: Remove residues with hand cleaner or suitable solvent, followed by washing with soap and water.





## 11. Health & Safety

- Flammable: Keep away from open flames, sparks, or other ignition sources.
- Skin Contact: Avoid prolonged or repeated contact; wash immediately with hand cleaner and soap & water.
- Eye Contact: May cause irritation; flush with clean water.
- Protective Equipment: Wear gloves, safety shoes, goggles, and protective clothing.
- Use in well-ventilated areas.
- Keep out of reach of children.

### 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.

