



# TECHNICAL DATA SHEET (TDS)

## Bitumen CB30 – Water-Based Primer

Supplier: ATDM

### 1. Product Identification

**Product Name:** Bitumen CB30

**Product Type:** Water-Based Bitumen Primer

**Application:** Surface preparation for bituminous membranes and coatings

**Supplier:** ATDM

### 2. Product Description

Bitumen CB30 is a cold-applied, water-based bituminous primer formulated from selected grade bitumen dispersed in water using emulsifying agents. It is designed to penetrate porous substrates such as concrete, masonry, and metal surfaces to enhance adhesion prior to the application of waterproofing membranes, asphalt layers, and bituminous coatings.

Unlike solvent-based primers, Bitumen CB30 is non-flammable, low odor, and environmentally safer, while still providing strong bonding performance and reliable surface sealing.

### 3. Recommended Applications

Bitumen CB30 is suitable for:

- Priming concrete roof slabs before torch-on membrane installation
- Surface preparation for self-adhesive waterproofing sheets
- Foundation and basement waterproofing systems
- Bridge deck priming prior to asphalt application
- Metal surface preparation before bituminous coating
- Pipe coating systems
- Industrial floor priming

## 4. Typical Technical Properties

Property	Test Method	Typical Value
Base	—	Water-based bitumen emulsion
Color (Wet)	Visual	Brown
Color (Dry)	Visual	Black
Density @ 25°C	ASTM D70	1.00 – 1.05 g/cm <sup>3</sup>
Solid Content	ASTM D244	28 – 32 %
Viscosity	ASTM D244	20 – 80 cP
Drying Time @ 25°C	—	1 – 4 hours
Flash Point	—	Non-flammable (Water-based)
Coverage Rate	—	0.2 – 0.4 kg/m <sup>2</sup>
Application Temperature	—	+5°C to +45°C

*Values shown are typical production averages and not specifications.*

## 5. Application Instructions

### Surface Preparation

- Substrate must be clean, dry, and free from dust, grease, oil, and loose particles.
- Remove laitance and ensure surface soundness.

### Mixing

- Stir thoroughly before use.
- Do not dilute unless approved by ATDM technical department.

### Application Method

- Apply by brush, roller, or spray.



- Apply a uniform thin coat.
- Avoid ponding or excessive thickness.

#### Drying

- Allow to dry completely until the surface turns black before applying membrane or coating.
- Drying time depends on temperature, humidity, and substrate porosity.

## 6. Advantages

- Cold-applied and easy to use
- Non-flammable formulation
- Low VOC emission
- Excellent penetration into porous surfaces
- Strong adhesion to concrete and metal
- Environmentally safer alternative to solvent primers
- Easy cleanup with water before drying

## 7. Packaging

Bitumen CB30 is available in:

- 20 kg pails
- 200 kg new steel drums
- 1000 kg IBC tanks
- Bulk tanker loads

Custom packaging and private labeling available upon request.

## 8. Storage Conditions

- Store in tightly closed containers.
- Protect from freezing.
- Keep away from direct sunlight.
- Store at temperatures between +5°C and +35°C.

**Shelf Life:** Up to 12 months in unopened original packaging under proper storage conditions.



## 9. Health & Safety

- Avoid contact with eyes and prolonged skin exposure.
- Use protective gloves and goggles during application.
- Ensure adequate ventilation in enclosed areas.
- Refer to the Material Safety Data Sheet (MSDS) for complete safety information.

Bitumen CB30 is water-based and non-flammable; however, standard industrial safety precautions should always be followed.

## 10. Quality Assurance

ATDM ensures:

- Strict quality control procedures
- Batch testing for solid content and stability
- Adhesion performance verification
- Consistent emulsion stability
- Export-compliant packaging standards

Each shipment can be supplied with:

- TDS
- MSDS
- Certificate of Analysis (COA)
- Packing List & Commercial Invoice