

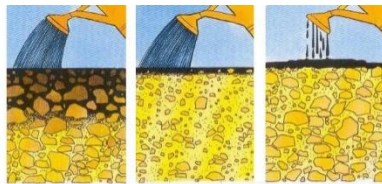
BTL BIT-PRIME WB EMULSION

Water-based Bitumen Emulsion - Flexible Protective Coating

JULY 2024
REV 03



APPLICATIONS



The emulsion must penetrate the first few millimetres of the layer.

THE PRODUCT

BTL BIT-PRIME WB EMULSION is a water-based bitumen emulsion designed as the first layer of waterproofing or insulation systems. When applied, it dries to form a black, flexible protective film that creates a durable barrier against water vapor transmission.

The coating is cold-applied, non-flammable, and environmentally friendly, providing reliable protection for concrete and masonry surfaces.

USES

BTL BIT-PRIME WB EMULSION is designed for:

- Waterproofing and damp-proofing of **concrete foundations** in contact with groundwater.
- **Protective coating** for built-up roofing systems.
- Waterproofing of **concrete, brick, blockwork, and steel surfaces**.
- Acts as a **curing compound** for fresh concrete by water retention.

BENEFITS

- ✓ Excellent adhesion to substrates (concrete, steel, wood, etc.)
- ✓ Applicable on damp surfaces.
- ✓ Cold-applied, water-based, safe and non-flammable
- ✓ Resistant to salts, alkalis, and mild chemicals.
- ✓ Serves as both a curing compound and waterproofing compound
- ✓ Non-toxic and environmentally friendly.
- ✓ Easy to apply with brush, roller, or spray.

SPECIFICATIONS

Property	Standard	Unit	BTL BIT-PRIME WB EMULSION	Tolerance
Form	-	-	Liquid emulsion, High-viscosity	-
Viscosity	ASTM D562	KU	100	± 20
Density	ASTM D2939	g/cc	1.05	± 0.1
Solids Content (by weight)	ASTM D2939	%	35	± 3
Heat Test (no blistering, sagging, or slipping)	ASTM D2939	°C	100	± 3
Resistance to Water	ASTM D2939	hrs	24	-

ADDITIONAL INFORMATION

Handling and storage

BTL BIT-PRIME WB EMULSION is available in 15Kg, 18Kg and 20Kg Gallon containers.
Store in a covered, shaded area, away from direct sunlight and heat sources.
Shelf life: up to 12 months in unopened original containers when stored as recommended.
Color: dark brown dries to black

Installation

Surface Preparation

Clean the surface thoroughly from dust, oil, grease, and contaminants. Remove loose or brittle concrete and repair imperfections to ensure a smooth finish.

Priming

Prepare primer by diluting BTL BIT-PRIME WB EMULSION with 15–20% clean water. Allow the primer to dry completely before applying subsequent coats.

Dilution

For coating, dilute with 5–10% clean water if needed.

Application

Stir the product thoroughly before use. Apply 2–3 coats depending on the required protection level. When the coating is to be covered with screed, blind the final coat with clean, dry sharp sand immediately after application, then brush off excess after drying.

Drying Time: 24 hours

Coverage

Moisture vapor barrier coating: 3–4 m²/kg/coat (Coverage may vary depending on surface porosity and application thickness)

Health & Safety

BTL BIT-PRIME RB EMULSION is a **water-based, low VOC** coating, **non-flammable** formulation, formulated to be safer than solvent-based alternatives. Nonetheless, standard safety precautions must be observed during handling, application, and storage:

- Avoid contact with skin and eyes; use protective gloves, clothing, and safety goggles.
- First Aid: In case of eye contact, rinse immediately with plenty of clean water and seek medical attention if irritation persists. Wash hands thoroughly after use.
- Keep out of reach of children

Environmentally friendly, non-hazardous during application and disposal.

CERTIFICATION

BTL BIT-PRIME RB EMULSION has been tested in accordance with **ASTM D2939 and ASTM D562**,
Manufactured under **ISO 9001** Quality Management System and,
Compliant with **environmental safety regulations** for water-based coatings.

PO Box 1401, Main Road, Byblos,
Lebanon

Customer Service (sales): +961 (81) 267 713
sales@btlast.com

Technical Support Team: +961 (81) 305 141
technical@btlast.com

BTL reserves the right to modify the technical data in this specification sheet, which is based on current production without prior warning.
All indicators in this specification sheet are based upon our experience and current working practices.