

TECHNICAL DATA SHEET**BLACK BITUMEN LATEX****PRODUCT OVERVIEW**

DELTA BBL (Black Bitumen Latex) is a flexible solvent free polymer modified bitumen membrane, designed for a wide range of waterproofing applications over numerous building substrates. DELTA BBL displays excellent sealing and adhesion properties, as well as the ability to handle permanently wet conditions once cured.

DELTA BBL is water based, odourless and easy to use membrane in both new and existing construction for underground and external areas. It has excellent membrane properties and can also be used as a protective coating for timber and metal surfaces.

PRODUCT FEATURES

- Solvent free, non-flammable and user friendly
- Flexible
- Outstanding adhesion properties to porous and non-porous surfaces
- Does not re-emulsify once cured
- Excellent sound deadening properties

**TYPICAL APPLICATIONS**

- Retaining walls, underground waterproofing
- Planter boxes and garden beds
- Sealing failed or aged bitumen surfaces
- Protective coating for corrosion of metals and wood rot
- Damp-proofing

GENERAL APPLICATION DETAILS

- Surfaces must be clean, dry, suitably prepared and in a sound state prior to beginning the application.
- Substrates are recommended to be primed before applying the membrane. There are a range of DELTA primers suitable for a variety of substrates and applications, please refer to primer list.
- DELTA BBL is able to be diluted at 3 parts water: 1 part membrane (parts by volume) to form a primer for porous surfaces.
- If being used in tanking and waterproofing applications, DELTA BBL requires a suitable bond breaker at all substrate junctions. The Axis Bond-breaker Detailing Tape is recommended to be used or equivalent bond breaking methods compliant with local waterproofing standards and building recommendations.
- DELTA BBL membrane should be lightly stirred before using, and can be applied to both vertical or horizontal surfaces using a roller or brush.
- Best results achieved when applied in a 2 coat application achieving a minimum coverage of 1.5 L/m² for general waterproofing applications. For heavier sealing properties, coverage can be increased to 2.0 litres/m² with subsequent coats.

Note: It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Details contained in product data sheets are general in nature. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with DELTA Technical Services before commencing the application.

Disclaimer: This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. DELTA Construction Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

IMPORTANT NOTES

- Not designed for use as a trafficable membrane
- Not to be used as membrane under tiles, screeds, renders etc. where direct adhesion is required
- Best storage conditions is in a dry area at room temperature, avoiding humidity and frost
- Product while in a wet state will clean up with water. Once dried product will need to be removed by mechanical means or with solvent cleaners.

DRYING TIMES ARE:

- Recoat - 4 hours
- Dry film - 24 hours
- Tack Free: - 60-90 minutes
- Backfilling, covering over – 4-5 days
- Flood test - 10 days curing

*Drying: Based on normal ambient temperatures of 23°C and 50% RH, *Temperature, humidity and porosity will vary dry times.*

TECHNICAL DATA

Appearance;	Dry – Black
Specific gravity:	1.15kg/litre
Shore A hardness:	(ASTM D2240-97) 53
Tensile Strength:	(AS1145-1989) 0.35 MPa
Elongation:	(AS1145-1989) 515%
Water Vapour Transmission:	(ASTM E96-95) 1.2g/24h/m ²
	Crack Bridging: (ASTM C876:95) Able to bridge cracks up to 2mm.

Water pressure 3.5 bar positive pressure

VOC Content (ISO 13741-1) 0.08g/litre

The VOC Content of DELTA BBL is below the maximum VOC Content for Architectural and Interior Sealants as required by Green Star Ratings tools Education v1, Healthcare v1, Industrial v1, Multi Unit Residential v1, Office Interiors v1.1, Office Design v2, Office v3, Office As Built v2 and Retail Centre v1.

PACKAGING

Supplied in 15L polypropylene pails.

CLEANING

Use water if membrane is still wet. Use solvent or mechanical means if membrane has dried.

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RECOMMENDED PRIMERS

Delta BBL can be used as primer coat when diluted with water. However, any surface with residual dampness or moisture should be primed with DeltaPrime MBE (Moisture Barrier Epoxy).

For porous surfaces:

Delta BBL diluted 1:3 with water - Mix Delta BBL (Black Bitumen Latex) with water until a smooth homogenous consistency is formed. Apply liberally to the total surface area by brush or roller

For non-porous surfaces:

DeltaPrime MSP (Multi Surface Primer) should be used – For non-porous, smooth and dense surfaces. Brush or roller apply MSP primer to total surface area at a minimum coverage of 1L/12m² and allow drying for 1 hour.

Residual moisture or damp surfaces:

DeltaPrime MBE – (Moisture Barrier Epoxy) should be used for surfaces with residual moisture or subject to rising damp. Coverage of 1L/3m² per coat. Allow primer to dry for a minimum 24 hours (tack free) before applying membrane.

Note: Refer to relevant data sheets for additional information.

STORAGE CONDITIONS

Store at room temperature

Avoid storing on direct concrete floor in freezing conditions

12 month shelf life (unopened)

Avoid storing in direct sunlight

HEALTH & SAFETY

The product is non-toxic but good hygiene and industrial practices should always be employed. Refer to the relevant Safety Data Sheet (**SDS**) available.

DELTA Construction Chemicals

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