

Bituthene® Ancillaries

Used with Bituthene® Self-Adhesive Sheet Membranes

Description

Accessories used in the application of Grace Bituthene® cold applied, self-adhesive sheet membrane, Preprufe® blind side sheet membrane and Chemind self-adhesive sheet membrane waterproofing products.

Premium quality products designed to facilitate the installation process and ensure optimum results.

Uses

Designed for specific use in preparation, application and detailing Bituthene® and Preprufe® membranes in basement tanking, lift pits, podiums, balconies, roof decks, car parks, bridge decks, planters and all landscaped areas, as well as major civil engineering projects.

The products are compatible with most substrates including concrete, block, brick, render, timber, ALC, FC sheet, metal and plastic.

Features

- Easy to use products
- Expedites installation process
- Cold applied and fast curing
- Ensures compliance for Grace Warranty
- Provides continuous bond and a positive barrier
- Fully compatible with all Grace sheet membranes and Chemind membrane systems

Products

Bituthene® Mastic

- Standard grade is a thick trowelable paste used to seal perimeter edges, cuts and all detailing.

Bituthene® LM Liquid Membrane

- UV resistant 2 Pk PU mastic for penetrations, outlets, turn-ups perimeters and sealing top edge to retaining walls and planters.
- Used to seal, detail and patch Grace Preprufe®.
- Suitable as independent waterproof membrane.

Bituthene® Liquid Mastic Membrane

- UV resistant one part PU based compound for complex detailing, penetrations, perimeters and sealing top edge to retaining walls and planters.
- It is UV resistant and permanently flexible.

Bituthene® Solvent Primer

- Fast drying solvent based bitumen primer for all unpainted surfaces.

Bituthene® Water Based Primer

- Fast drying water based black bitumen primer.
- For green concrete, damp or painted surfaces as well as confined spaces.

Surface Primer for Self-Adhesive Membranes

- Quick drying, water based pressures sensitive surface primer to promote bond of adhesives, etc.

For assistance in correct selection contact Chemind Construction Products Technical Department.

Typical Properties

Bituthene® Product	Mastic	LM Liquid Membrane	Liquid Mastic Membrane	Solvent Primer	Water Based Primer	Surface Primer
Colour	Black	Black	Grey-Black	Black	Black or Clear	Clear/Pink
Pack Size	15 litres	5.7 litre set	15 litres	20 litres	20 litres	20 litres
Drying Time (min thickness)	24 hours	6 – 8 hours	12 hours	25-30 min	40-45 min	45-50 min
Viscosity	Thick Paste	Thick Paste	Thick Liquid	Liquid	Liquid	Liquid
Elongation (ASTM D412)	N/A	400%	400%	N/A	N/A	N/A
Adhesion to Bituthene®	Satisfactory	Satisfactory	Satisfactory	N/A	N/A	Excellent
Adhesion to Substrate	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Water Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Clean Up	Mineral Turps	Chemind GP Solvent	Chemind GP Solvent	Chemind GP Solvent	Water	Water

Preparation

Surfaces must be clean, dry and free from dust, loose matter, oil, grease or other contaminants.

Application

Priming

- Apply one coat of Bituthene® Primer at a rate of 5-7 m²/litre and allow to dry.
- Use Bituthene® Water Based Primer on damp surfaces or “green” concrete.
- Surface Primer is applied to Chemind Tile-It Membrane when direct fixing of tiles is required. It is also used on substrates where a clear primer is desirable for Bituthene or Tile-It use.

Generally

Bituthene® LM or Liquid Mastic Membrane may be used to detail **Roofing** or **Tanking**, but it must be applied BEFORE Primer or Membrane.

Tanking - Basements, Pits, Planters

Bituthene® LM or Mastic may be used to form fillets, seal cuts or patches and seal membrane to footings or top edge of vertical membrane to wall.

Roofs, Decks, Podiums

Application to Outlets and Penetrations

- Apply Bituthene® LM or Liquid Mastic Membrane liberally by brush or trowel to min. 1mm DFT.
- After installing membrane, apply a heavy brush coat along edge of sheet membrane overlapping 50mm onto substrate/detail and membrane.

Perimeter Detail and Turn-Ups

- After laying Bituthene®, Preprufe® or Chemind membrane, apply a full brush coating along edge of the sheet membrane overlapping 50mm onto applied detail and sheet membrane.

Sundry Applications

- Bituthene® Mastic may be used to bed paving slabs on top of Bituthene® membranes.
- Bituthene® LM or Liquid Mastic Membrane may be used as a “stand alone” waterproof barrier.



Surfacing

Exposed turn-ups and perimeters formed in Bituthene LM Liquid Membrane or Liquid Mastic Membrane are UV resistant, but can be covered after full cure.

- **Decorative Finishes**

Use Chemind Epocote F100W grey to seal surface. Apply Chemind Blockflex high build coating, any exterior grade acrylic paints or roll-on textures.

- **Render**

Use Chemind Chembond polymer modified render as directed.

- **Tiles or Paving**

To specified products apply Surface Primer and direct fix with Chem-Fix Super adhesive.

NOTE

Use protective clothing, gloves and glasses. If using solvent based products in areas with limited ventilation, wear an appropriate respirator.

Coverage

- Mastic (all types)
Allow 1 x 15 litre pail/140m² membrane
- Primers
20 litre pails – 5 - 8 m²/litre

Clean-up

Remove uncured Water Based Primer with water. Chemind GP Solvent may assist with the removal of cured product.

Remove uncured solvent-based product with the solvent as shown in table.

Exercise care when using solvents. Please review all MSDS before use and use any nominated PPE as may be required.

Shelf Life

Stored in a cool, dry place, unopened pails or solvent and water based products have a shelf life of 2 years.

Polyurethane based products once opened may become solid within a few days.



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