

# TECHNICAL DATA SHEET

## DESCRIPTION

BITUTHENE® Liquid Membrane is a two component, elastomeric, cold applied, trowel grade material designed for a variety of uses with the GCP waterproofing systems. The VOC (Volatile Organic Compound) content is 10 g/L. Architectural and industrial maintenance regulations limit the VOC content in products classified as architectural coatings. Refer to Technical Letters for the most current list of allowable limits.

## TECHNICAL SPECIFICATIONS

| Technical Specifications | Unit of Measurement | Nominal Value Part A&B packed in one unit |
|--------------------------|---------------------|---|
| UNIT SIZE                | L                   | 5.7                                       |
| COLOUR                   |                     | (A) Black (B) Clear                       |

| Test Method | Typical Value   | Property  |
|-------------|-----------------|---|
| ASTM D1644  | 100%            | Solids content                                    |
| ASTM D412   | 250%            | Elongation  |
| ASTM D903   | 880 N/m minimum | Peel strength                                     |
| ASTM D1970  | Unaffected      | Flexibility, 180° bend over 25mm mandrel at -32°C |

## AREA OF USE

Fillet material at inside corners  
Reinforcement material at inside corners  
Flashing material around drains, protrusions, curbs, and parapets  
Sealing material at terminations  
Repair material for defects on concrete surfaces  
Flashing material at corners

The two parts of BITUTHENE® Liquid Membrane are mixed on site and trowelled on to provide a simple and quick waterproofing detailing aid in conjunction with BITUTHENE®, and PREPRUFE® systems.

## COMPATIBILITY

BITUTHENE® Liquid Membrane is completely compatible with BITUTHENE®, and PREPRUFE®, and with existing asphalt or coal tar-based waterproofing materials. It is also compatible with cured silicone and polyurethane sealants. It is not compatible with creosote, pentachlorophenol, linseed oil or polysulfide-based sealants.

## INSTRUCTIONS FOR USE

### Surface preparation:

- Concrete must be dry, clean, and free from sharp projections such as nail heads and concrete nibs.
- Remove all surface imperfections, protrusions, cavities, structurally unsound and friable concrete, and repair with BITUTHENE® Liquid Membrane.
- Remove contaminants such as grease, oil, dust, dirt, loose stones, debris, and wax from exposed concrete.
- BITUTHENE® Liquid Membrane may be applied at temperatures of -4°C or above. Store in a dry place above 5°C.

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## Application Procedures:

## SAFETY, STORAGE AND HANDLING INFORMATION.

BITUTHENE® products must be handled properly. Vapours from solvent-based primers and mastic are harmful and flammable. For these products, the best available information on safe handling, storage, personal protection, health, and environmental considerations has been gathered. SDS (Safety Data Sheet) are available [here](#) and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the SDS before use.

## PRODUCT APPLICATION:

### Mixing

Add the entire contents of the Part B container to Part A and mix for 3 to 5 minutes until uniform. Part A is black, and Part B is clear. Take care to scrape material from the side and bottom of the containers to ensure thorough mixing. A low speed (150 rpm) mechanical mixer with flat paddle blades is required. Do not apply any material if streaks can be seen due to insufficient mixing. Once mixed, BITUTHENE® Liquid Membrane must be applied by trowel within 1.5 hours. More time is available at lower temperatures.

At high temperatures, thickening and curing will be faster. Material that has thickened must be discarded.

The material will cure to a very flexible rubber-like material. BITUTHENE® Liquid Membrane must be applied at a minimum thickness of 2.5 mm unless otherwise noted on details. In fillet applications, the face of the fillet should be a minimum of 20mm. In corner flashing application details, it should extend 150 mm in each direction from the corner. BITUTHENE® Liquid Membrane will adhere to primed or un-primed concrete.

BITUTHENE® Liquid Membrane should be allowed to cure at least 24 hours before flood testing.

### Coverage

As a 20mm fillet material, 5.7L will cover approximately 28.4 lineal metres. As a flashing material, 5.7L 2.5mm thick x 300mm will cover approximately 7.6 l/m or 2.28 m<sup>2</sup>. As a fillet and reinforcement, 5.7L 2.5mm thick x 2 x 150mm wide will cover approximately 6.0 lineal meters.

### Cleaning

Clean tools and equipment with mineral spirits before BITUTHENE® Liquid Membrane has cured. Mineral spirits is a combustible liquid and should be used only in accordance with the manufacturer's safety recommendations. Do not use solvents to clean hands or skin.

## SHELF LIFE

12 months.

## TRANSPORT CLASSIFICATION

N/A

*The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.*