

## PRODUCT DATA SHEET

# Sika® Tite BE

HEAVY DUTY, HIGHLY FLEXIBLE, WATER BASED BITUMEN WATERPROOFING MEMBRANE

### DESCRIPTION

Sika® Tite BE is a heavy duty, highly flexible, water-based bitumen waterproofing membrane. Sika® Tite BE waterproofing and protective coating is suitable for use below ground as a damp proof sandwich membrane, foundation and basement walls, retaining walls and planter boxes. Sika® Tite BE is fast drying, easy to apply and is suitable for use in immersed applications, ponds and water features. It is also suitable for repair of gutter, roofing and existing bitumen surfaces and waterproofing membranes.

### USES

- Concrete
- Sand/cement screeds
- Cement render
- Fibrous cement sheeting
- Compressed fibrous cement sheeting

### PRODUCT INFORMATION

<b>Composition</b>	Water based bitumen
<b>Packaging</b>	4 Litre & 15 Litre plastic pails
<b>Colour</b>	Black
<b>Shelf life</b>	12 months from date of manufacture in original, sealed containers, if the storage conditions are met.
<b>Storage conditions</b>	Store in dry, weatherproof environment, protected from direct sunlight at temperatures between +5°C and +25°C.
<b>Density</b>	1.2kg/L
<b>Dry film thickness</b>	Minimum 0.80mm

### CHARACTERISTICS / ADVANTAGES

- Fast drying
- Highly extensibility > 300%
- One part – No mixing
- Non flammable, Non hazardous
- External below grade applications
- Good application properties
- Excellent adhesion to most substrates

### APPROVALS / CERTIFICATES

AS/NZS 4020 : 2018 Products for use in contact with drinking water

## APPLICATION INFORMATION

<b>Consumption</b>	Wall & Floor: Achieve a minimum dry film thickness of 0.8mm. Application coverage rate of 0.8lt per 1m <sup>2</sup> per coat, minimum 2 coat application. Immersed & Below Grade: Achieve a minimum dry film thickness of 1mm. Application coverage rate of 1lt per 1m <sup>2</sup> per coat, minimum 2 coat application.
<b>Drying time</b>	Allow minimum 2 - 4 hours between coats at 23°C. Allow longer in adverse weather conditions. Drying time is dependent on ambient temperature and relative humidity.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

All surfaces to be waterproofed must be firm, clean, dry, structurally sound and smooth. All grease, oil, wax, curing compounds, dust, loose material, laitance and other contaminants must be removed. The substrate surface must be continuous, all projections and rough spots should be dressed off to achieve a level surface. Sika® Tite BE can be mixed with sand and cement or pre-bagged mortar mix to form a screed to falls or patching render with improved adhesion and tensile properties.

#### Sheeting

Fibrous cement sheeting must be fixed in accordance with the manufacturer's installation directions.

#### Concrete

Concrete must be allowed to cure for 28 days and cement render and sand and cement screeds must be allowed to cure for 7 days prior to the application. Surfaces must be even and smooth, imperfections repaired with a suitable Sika® MonoTop repair mortar.

#### Priming

Dry porous substrates must be primed using a dilute 1 part Sika® Tite BE to 3 parts water, work well into the substrate to ensure adequate penetration, avoid ponding. Allow to dry prior to general application.

### MIXING

Single component, ready to use undiluted, prior to application thoroughly mix using a mechanical mixer to produce a homogenous liquid.

### APPLICATION METHOD / TOOLS

Sika® Tite BE may be applied using a brush or roller. The surface must be continuous, Sika® Tite BE cannot span gaps or voids. A minimum of two coats is recommended, each coat must be applied in a perpendicular direction to the previous coat. Ensure there are no defects or damage to the waterproofing membrane, if necessary repair and rectify by applying a third coat.

### CLEANING OF EQUIPMENT

Remove liquid coating immediately with a dry cloth, clean tools and equipment with water while the material is still wet. Cured coating can only be removed mechanically.

## FURTHER INFORMATION

- Safety Data Sheet (SDS)

## IMPORTANT CONSIDERATIONS

### LIMITATIONS

- Sika® Tite BE is not designed to stop a hydrostatic head of water pressure.
- Sika® Tite BE must not be used over damp, wet or contaminated substrates.
- Sika® Tite BE must not be applied if it is raining or if rain is imminent.
- Sika® Tite BE must not be applied directly over protective coatings.
- Sika® Tite BE must not be used as a trafficable, exposed or UV stable coating.
- Sika® Tite BE is not compatible with polyurethane or silicone sealants.
- For retaining walls allow a minimum of 3 days cure and suitable protection layer prior to backfilling.
- In potable water applications a minimum of 3 cycles of fill and flush is recommended.
- Do not apply where the substrate temperature is below 10°C or greater than 35°C.
- Contact Sika Technical Service for advice if further information is required.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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### **Product Data Sheet**

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