

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 is suitable for permanent immersion and provides excellent adhesion to a wide range of substrates. Sika® Tite BE is fast drying, easy to apply and is designed for non-UV exposed applications.

USES

- Retaining walls
- Planter boxes
- Foundations and basement walls
- Damp proof sandwich membrane
- Ponds and water features
- Repairs on existing bitumen surfaces and membranes (Non-UV exposed)

PRODUCT INFORMATION

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

CHARACTERISTICS / ADVANTAGES

- Fast drying
- Highly flexible- Class III membrane
- One part – No mixing
- Non flammable, Non hazardous
- Water based
- Suitable for permanent immersion
- Excellent adhesion to most substrates

APPROVALS / CERTIFICATES

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

Dry film thickness

Minimum 1mm DFT (Dry film thickness) required
2x coats of 1 Litre per m2 are required to achieve a 1mm DFT

APPLICATION INFORMATION

Consumption	1.0mm DFT- (Dry Film thickness): 7.5m ² per 15L pail 2m ² per 4L pail
Substrate temperature	+10 to +35 C
Substrate moisture content	Up to 5%
Substrates	Sika® Tite BE can be applied to the following substrates: <ul style="list-style-type: none"> ▪ Concrete ▪ Masonry ▪ Sand/cement screeds ▪ Fibrous cement sheeting ▪ Compressed fibrous cement sheeting ▪ Steel/Aluminium ▪ Timber posts
Curing time	Sika® Tite BE must be cured for at least 48 hours at 23°C (longer at lower temperatures.) Sika® Tite BE must be cured for a minimum 3 days before coming in contact with water or any form of backfill.
Drying time	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.

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.

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.
- In backfilling applications (planter boxes/retaining walls etc) allow a minimum of 3 days cure and use suitable protection layer prior to backfilling.
- In potable water applications a minimum of 3 cycles of fill and flush is recommended after of minimum 3 days cure.
- 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.

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.

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. If moisture is present, allow for application of Sikalastic Moisture Seal, refer to PDS for application rates.

MIXING

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

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.

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.

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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February 2022, Version 01.06

020706301000000032

SikaTiteBE-en-AU-(02-2022)-1-6.pdf

