

Product Data Sheet
Edition 10/09/201410
Identification no:
02 07 02 05 002 0 000024
BitumenTite

BitumenTite

Rubberised bituminous waterproofing coating

Product Description BitumenTite is a rubberised bitumen emulsion coating that is used as a stand alone coating or in conjunction with Sika BlackSeal membrane to form a waterproofing system.

Uses Waterproofing for various applications such as:

- Flat roof waterproofing
- Waterproofing of water retaining structures
- Flashing of roofs
- Gutters
- Parapet walls
- Sealing of fixings, lap joints and roof screws
- Waterproofing of Koi Ponds

Characteristics / Advantages

- Applied by with brush, roller or trowel
- Supplied ready to use
- No primer needed
- Easily applied
- Non-sag on vertical surfaces
- Remains flexible at low temperature
- Crack-bridging
- Non-toxic

Product Data

Form

Appearance / Colour Pasty, black

Packaging 5ltr and 20ltr containers

Storage

Storage Conditions / Shelf-Life 12 months from date of production, if stored properly in unopened and undamaged original sealed packaging. Protect from heat and direct sunlight.

Technical Data

Chemical Base Emulsion containing bitumen mastic

Density ±1.02kg/l

Curing Speed / Rate Surface - dry after 3 hours at +25°C
Dependant on ambient temperature, substrate temperature, relative humidity and the thickness of the coating.

Construction



Solids Content	~ 47% by vol.
Bitumen Content	~ 50% by vol. of solids content
Layer Thickness	2 mm max.
Service Temperature	-30°C to +70°C

Mechanical / Physical Properties

Water Tightness	Watertight at max. 0.50 bar
Behaviour of Coating in Heat	Softening point (ring and ball test): > 170°C (dry film)
Crack-Bridging Capacity	< 2.00 mm (unreinforced) at +4°C

Resistance

Chemical Resistance	Resistant to fresh water, seawater
----------------------------	------------------------------------

System Information

Application Details

Consumption / Dosage	2.1ltr/m ² when applied with the Sika BlackSeal membrane.
Substrate Quality	Substrate must be smooth, dry, free of dust, oil or grease and loose or friable particles. Surface defects including blowholes, voids, honeycombing, etc., in the concrete must be repaired with suitable Sika mortars before coating.
Substrate Preparation	Rinse concrete surfaces with clean water. Clean contaminated substrates by suitable means including steam cleaning, high pressure water jetting, etc. <i>Concrete substrate:</i> Prime substrates with one part BitumenTite diluted by one part water. <i>Metal surfaces:</i> After degreasing surface prime new galvanised surfaces with Sika BlackSeal Primer. Old surfaces which have been effected by rust should be thoroughly cleaned and primed with a good metal etch primer.

Application Conditions / Limitations

Substrate Temperature	+10°C min. / +35°C max.
Ambient Temperature	+10°C min. / +35°C max.
Substrate Moisture Content	< 3%

Application Instructions

Application Method / Tools	<i>Manual application:</i> - Apply with a suitable brush or roller. <i>First coat:</i> Brush on a thick coat of BitumenTite onto the primed surface at a spread rate of 0.8 litre/m ² . Embed the membrane into the wet coat, ensuring that the bitumen impregnates the membrane and all air is expelled.
-----------------------------------	---

Second coat:

A second coat is applied once the first coat has dried sufficiently (approx. 3hours), at a spread rate of 0.5 litre/m². The membrane must be well saturated to ensure a good watertight barrier is formed.

Final coat:

A final coat should be applied once the second coat has dried. This coat should be applied at the rate of 0.8 litre/m² to finish off the system.

The completed waterproofing system should be left for approximately 2 weeks before filling a water retaining structure with water. Ambient temperatures have an effect on the time period required for full cure. If unsure please contact the Technical Department of Sika, before doing so.

Protecting	Allow system to cure for 2-3 weeks before applying Sika® BlackSeal-Silvercoat as a UV protective coat. Refer to the Sika® BlackSeal-Silvercoat for detailed instructions.
Cleaning of Tools	Clean all tools and application equipment with Sika® Kwiklean.
Notes on Application / Limitations	<p>Do not use this product for waterproofing against hydrostatic pressure.</p> <p>Do not apply the product during rain.</p> <p>Protect newly applied material from rain, etc. until hardened.</p> <p>Warm the product before use in cold weather.</p> <p>Before attempting to waterproof a Koi pond please contact the Technical Department of Sika for detailed instructions.</p> <p>DO NOT ATTEMPT APPLICATION IF RAIN IS IMMINENT.</p> <p>Protect from rain until completely dry. Failure to do so will lead to the product being washed away and possible staining of the surrounding surface area.</p> <p>Under applying the product could lead to poor performance of the waterproofing system.</p> <p>Apply a rejuvenation coat (as in step <i>Final coat</i>) annually to ensure the integrity and longevity of the system and in compliance to warranty guidelines.</p>
Value Base	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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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 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 proprietary rights of third parties must be observed. The purchase of the product is subject to our terms and conditions which are accessible on www.sika.co.za . Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



Sika South Africa (Pty) Ltd
9 Hocking Place,
Westmead, 3608
South Africa

E-mail: headoffice@za.sika.com
Phone +27 31 792 6500
Telefax +27 31 700 1760
Web site: zaf.sika.com

