

PRODUCT DATA SHEET

BC Bitumen Coating

BITUMINOUS WATERPROOFING BASECOAT

DESCRIPTION

BC Bitumen Coating is a bitumen emulsion composed of selected grades of flexible bitumen. Dark brown in colour drying to a black flexible coating. When dry, it will not re-emulsify in water.

USES

- To provide a waterproof membrane on structural reinforced concrete not exposed to UV, for example retaining walls
- As a priming coat for bituminous membranes

CHARACTERISTICS / ADVANTAGES

The film of BC Bitumen Coating has no significant tendency to creep and has great stability over a wide range of temperatures. The coating is flexible and jointless. Application requires no special skill and it may be brushed or sprayed on to any inclination of surface. BC Bitumen Coating may be applied to:

- Cement/sand rendering
- Reinforced concrete
- All types of concrete blocks
- All clay and calcium silicate blocks
- Asbestos cement sheeting
- Cement paint

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 20 kg pail ▪ 200 kg drums 	
Colour	Black	
Shelf Life	12 months from the date of production	
Storage Conditions	Stored properly in original, unopened and undamaged sealed packaging in dry conditions. Keep away from direct sunlight and frost.	
Density	0.96–1.03 kg/l (at +30 °C, Density cup 100 cc)	ASTM D1475
Solid content by weight	≥ 53 %	ASTM D2939

TECHNICAL INFORMATION

Chemical Resistance	Resistant to water, alcohol, most salt solutions, some dilute acids and alkalis.
Temperature Resistance	The cured film will not flow or sag under direct sunlight

APPLICATION INFORMATION

Consumption	Priming coat	0.075–0.1 kg/m ² (dilute 1:1 with clean water)
	1st coat (neat)	0.6 kg/m ²
Ambient Air Temperature	+5 °C min. / +35 °C max.	
Substrate Temperature	+5 °C min. / +50 °C max.	
Waiting Time / Overcoating	Under normal conditions, 4–6 hours but a period of 24 hours should be allowed between coats (it may be considered dry when rubbing with a wet finger does not produce a brown stain).	

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

New Concrete, Screed or Render

The surface should have a brushed or wood float finish, and should be free from contamination by any material that could impair adhesion. All surface defects should be repaired by approved methods. Protrusions greater than 3 mm should be removed.

For Old Painted Surfaces

Loose material and/or organic growth must be removed with a stiff bristle (not wire) brush and spores should be killed with a suitable fungicide which should be scrubbed in, left for 24 hours and washed off with clean water.

Where surfaces are chalking and friable, remove all loose material, apply stabilising solution and allow to dry for at least 24 hours. Cracks should be made good, allowed to dry and then covered with BC Bitumen Coating into which is embedded an open weave glass fibre scrim. Spalled concrete should be made good.

MIXING

As a priming coat, add an equal volume of clean water and stir well until a homogenous consistency is obtained.

For the neat coat, the material is ready for use from the can after stirring thoroughly with a spatula. Ensure the material has a homogenous consistency before application.

APPLICATION METHOD / TOOLS

By Brush Or Spray

Ensure substrate is thoroughly dry before applying BC Bitumen Coating. Scrub in the priming coat to give a dense overall cover and allow to dry. The first coat (not diluted) shall be applied evenly with a brush and allowed to dry. Repair/re-apply any 'misses' with a neat coat of BC Bitumen Coating the following day. Wash brush frequently in clean water to prevent clogging and wipe off splashes immediately with clean water.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened or cured material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Any faults in the structure, particularly those which may lead to moisture penetration must be rectified.
- BC Bitumen Coating is not resistant to oils, solvents and some detergent solution.
- Do not apply in wet weather or under direct sunlight.

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 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.

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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