

## BC Bitumen Coating

### Bituminous waterproofing basecoat

<b>Product Description</b>	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.
<b>Uses</b>	<ul style="list-style-type: none"> <li>■ To provide a waterproof membrane on structural reinforced concrete not exposed to UV, for example retaining walls</li> <li>■ As a priming coat for bituminous membranes</li> </ul>
<b>Characteristics / Advantages</b>	<p>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:</p> <ul style="list-style-type: none"> <li>■ Cement/sand rendering</li> <li>■ Reinforced concrete</li> <li>■ All types of concrete blocks</li> <li>■ All clay and calcium silicate blocks</li> <li>■ Asbestos cement sheeting</li> <li>■ Cement paint</li> </ul>
<b>Product Data</b>	
<b>Form</b>	
<b>Colour</b>	Black
<b>Packaging</b>	20 kg pails and 200 kg drums
<b>Storage</b>	
<b>Storage Conditions / Shelf Life</b>	24 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions.
<b>Technical Data</b>	
<b>Specific Gravity</b>	~ 1.0
<b>Flexibility</b>	Provides a firm but flexible coating which softens at higher temperatures



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## Resistance

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**Chemical Resistance** Resistant to water, alcohol, most salt solutions, some dilute acids and alkalis. Not resistant to oils, solvents and some detergent solutions.

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**Fire Resistance**

■ Wet	Non-flammable
■ Dry	Will burn slowly

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**Heat Flow Resistance** The cured film will not flow or sag under direct sunlight

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## System Information

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### Application Details

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**Consumption**

■ Priming coat:	0.075 – 0.1 kg/m <sup>2</sup> (dilute 1:1 with clean water)
■ Neat coat:	0.6 kg/m <sup>2</sup>

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### Substrate Preparation

*New Concrete, Screed or Render*

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, liberally 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 open weave glass fibre scrim. Spalled concrete should be made good.

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## Application Conditions/Limitations

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**Application Temperature** Not below +5°C

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### Application Instructions

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**Mixing** As a priming coat, add an equal volume of clean water and stir well. For the neat coat, the material is ready for use from the can after stirring thoroughly.

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### Mixing Time

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### Mixing Tools

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**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 second coat shall be applied evenly and thickly with a well loaded brush and allowed to dry. Touch in any 'misses' the following day. Wash brush frequently in clean water to prevent clogging and wipe off splashes immediately with clean water.

Do not apply in wet weather or in direct sunlight.

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

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**Setting or Drying Time** 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).

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<b>Notes on Application/Limitations</b>	Scaffolding must be independently tied to allow uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration must be rectified.
<b>Value Base</b>	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.
<b>Health and Safety Information</b>	For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet (available upon request) containing physical, ecological, toxicological and other safety-related data.
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