

# Sika®-Bitumen

## Bitumen Emulsion Waterproof & Protective Coating

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### Product Description

**Sika® Bitumen** is a brown-black bitumen liquid emulsion with excellent adhesion, which dries to a tough seamless, waterproof and protective coating for concrete structures and steel elements  
Suitable for tropical and hot climatic conditions.

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### Uses

**Sika® Bitumen** is used for:

- Tanking and waterproofing of substructures to provide an impervious membrane in wet areas.
- Damp proof membrane for roofs
- Floor slabs
- Basements , Retaining walls
- Landscape decks
- Curing membrane

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### Advantages

**Sika® Bitumen** provides

- Excellent adhesion to moist building substrates
- Efficient curing membrane to freshly laid concrete
- Single component
- Water based , non toxic
- Economical , easy to apply, reduces labour costs
- Can be applied on vertical and horizontal surface.
- Impermeable to water
- Seamless, joint free
- Unaffected by high ambient temperature
- High resistance to aggressive soils and contaminated ground water
- Low odour, dries without generating strong vapours

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### Product Data

Type	Bitumen Emulsion
Form	Dark Brown liquid, Black (when dry)
Packaging	20 lt and 200 lt drums
Storage Condition	Store in original sealed containers under shade in a cool and dry environment between 5°C and 35°C.
Shelf Life	12 months minimum from production date when stored properly in original unopened containers.

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### Technical Data

Density	Approximately 1.00 kg/lt at 25° C
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<b>Flash Point</b>	Non-Flammable	
<b>Solid Content</b>	Approximately 26 % by weight	
<b>Curing Time (25° C)</b>	Touch dry after	approximately 2 hours
	Over coatable after	approximately 8 hours
	Fully cured after	approximately 72 hours
<b>Consumption</b>	<u>On Concrete Surface</u> Total approximately 0.20 -0.35 kg/m <sup>2</sup> applied in 2 coats	
	<u>On Steel Surface</u> Total approximately 0.10 -0.20 kg/m <sup>2</sup> applied in 2 coats	

## Application Details

<b>Substrate preparation</b>	All surfaces must be sound, even, free from dust, loose particles and any contamination. <b>Sika® Bitumen</b> may be applied to damp but not waterlogged surfaces. Hot and very dry, porous concrete surfaces must be primed by diluting <b>Sika® Bitumen</b> with clean water at 1:1 ratio (by weight).
<b>Application</b>	The drums must be stirred well before use. Where a single drum is used for prolonged periods, occasional stirring during application is recommended. If a primer coat is applied, allow it to dry completely before applying subsequent coats. Apply evenly and in one direction using a stiff brush. A two-coat application is recommended to avoid possible gaps in the film. Each coat must be allowed to dry before applying the next one. In wet areas, where a key to subsequent layers (e.g. screed, tile bedding, etc) is required, blind the fresh top layer with clean sharp sand.
<b>Cleaning</b>	Clean all equipment and tools with water immediately after use.
<b>Remarks</b>	Do not apply <b>Sika® Bitumen</b> to outside areas in wet weather or when rain is expected.
<b>Notes</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>Safety</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 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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