

# Igasol® Emulsion BA-10

## Rubberized Bitumen Emulsion Waterproof Coating

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### Product Description

**Igasol® Emulsion BA-10** is a rubberized bitumen liquid emulsion with excellent adhesion, which dries to a tough, seamless, flexible, waterproof and vapour-proof membrane for concrete structures.  
Suitable for tropical and hot climatic conditions.

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### Uses

**Igasol® Emulsion BA-10** is used for:

- Tanking and waterproofing of substructures to provide an impervious membrane in wet areas.
  - Floors to provide a sandwich membrane in new construction or surface treatment
  - Vapour barrier of cladded walls.
  - Maintenance of many roof types including asphalt felt roofs, lead, zinc aluminium, concrete, cement, lightweight screeds, timber etc.
  - As an adhesive for bonding wood works and wooden mosaics, insulation boards, expanded polystyrene, cork tiles and to provide a key for plastering.
  - Damp proof membrane for roofs
  - Floor slabs
  - Basements , retaining walls
  - Landscape decks
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### Advantages

**Igasol® Emulsion BA-10** provides

- Excellent adhesion to moist building substrates
  - Resistant to chlorides, sulphates
  - 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
  - Elastic to bridge structural hair-cracks
  - 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

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Type	Blend of Bitumen and rubber
Form	Dark Brown liquid, Black (when dry)
Packaging	20 lt and 200 lt drums

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<b>Storage Condition</b>	Store in original sealed containers in a cool, dry area under shade between 5°C and 35°C.		
<b>Shelf Life</b>	12 months when stored properly in original unopened containers		
<b>Technical Data</b>			
<b>Density</b>	Approx. 1.00 kg/lit at 25° C		
<b>Flash Point</b>	Non-Flammable		
<b>Solid Content</b>	Approximately 36 % by weight		
<b>Rubber Content</b>	10 % minimum on dry film		
<b>Sagging Properties</b>	Non Sagging (ASTM D2939)		
<b>Water Resistance</b>	No blistering, no loss of adhesion, no sign of re-emulsification (ASTM D2939)		
<b>Temperature</b>	Application Temperature = 5°C - 55°C Service Temperature = up to 60°C		
<b>Consumption</b>	0.25 – 0.50 kg/m <sup>2</sup> per coat, applied in 2 – 3 coats		
<b>Application Details</b>			
<b>Substrate preparation</b>	All surfaces must be sound, even, free from dust, loose particles and any contamination. May be applied to damp but not waterlogged surfaces. Hot and very dry, porous concrete surfaces must be primed by diluting <b>Igasol® Emulsion BA-10</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, silica sand.		
<b>Curing</b>	Touch dry	approximately	1 hour @ 35°C
	Overcoating	approximately	4 hours @ 35°C
	Trafficable	pedestrian	24 hours
	Full cure	approximately	3 days
<b>Cleaning</b>	Clean all equipment and tools with water immediately after use.		
<b>Remarks</b>	<ul style="list-style-type: none"> <li>■ Do not apply <b>Igasol® Emulsion BA-10</b> to outside areas in wet weather or when rain is expected.</li> <li>■ Protect freshly applied product from rain until it is fully cured.</li> <li>■ When used as protective coating, all pinholes, cavities, cracks etc. in the substrate must be filled with a suitable Sika mortar.</li> </ul>		
<b>Note</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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