

Igasol® Emulsion BA

Rubberized Bitumen Emulsion Waterproof Coating

Product Description

Igasol® Emulsion BA is a brown-black 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.

Uses

Igasol® Emulsion BA 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

Advantages

Igasol® Emulsion BA 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

Product Data

Type Blend of Bitumen and rubber

Form Dark Brown liquid, Black (when dry)

Packaging 20 lt and 200 lt drums



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