

PRODUCT DATA SHEET

Sika® Igasol® Emulsion BA

RUBBERIZED BITUMINOUS WATERPROOFING EMULSION

DESCRIPTION

Sika® Igasol® Emulsion BA is a rubberized bituminous liquid emulsion with excellent adhesion, which dries to a tough, seamless, flexible, waterproof, protective coating and vapourproof membrane for concrete structures.

Suitable for use in hot and tropical climatic conditions.

USES

Sika® Igasol® Emulsion BA is used for:

- Tanking and waterproofing of substructures to provide an impervious membrane
- Vapour barrier of cladded walls
- Maintenance of many roof types including asphalt-felt roofs, concrete, cement, lightweight screeds, timber etc.
- As an adhesive for bonding insulation boards, expanded polystyrene, cork tiles etc.
- Damp proof membrane for roofs and floor slabs
- Efficient curing membrane to freshly laid concrete
- Basements, retaining walls

CHARACTERISTICS / ADVANTAGES

Sika® Igasol® Emulsion BA provides:

- High rubber content - 5 %
- Excellent adhesion to most building substrates
- Reduced chloride penetration
- Can be applied on damp substrates
- Non sagging
- Single component
- Water based
- Economical, easy to apply, reduces labour cost
- Can be applied on vertical and horizontal areas
- Impermeable to water
- Elastic, seamless, joint free
- Unaffected by high ambient temperature
- Resistant to aggressive soils and contaminated ground water
- Low odour, dries without generating strong vapour

APPROVALS / CERTIFICATES

Sika® Igasol® Emulsion BA complies with concrete curing requirements of ASTM C309-93 and ASTM D2939, when applied at minimum 250 g/m².

PRODUCT INFORMATION

Composition	Blend of bitumen and rubber
Packaging	200 L drums
Colour	Dark brown (liquid) Black (dry)
Shelf life	Minimum 12 months from production date when stored properly.
Storage conditions	Store in original, unopened and undamaged sealed containers in a cool, dry area under shade temperatures between +5 °C and +35 °C.
Density	~1.05 kg/l (+25 °C)
pH-Value	~10
Solid content by weight	~35 % (5 % rubber content)

TECHNICAL INFORMATION

Chemical Resistance	Groundwater, salt solutions, sea water, mild detergents, mild acids and alkalis. Contact Sika Technical Department for further information
Service Temperature	-10 °C min. / +85 °C max.

APPLICATION INFORMATION

Consumption	0.25 - 0.50 kg/m ² per coat, apply 2 - 3 coats This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.
Layer Thickness	1.05 kg/m ² Sika® Igasol® Emulsion BA applied results in a wet film thickness (WFT) of ~1 mm and dry film thickness (DFT) of ~0.35 mm.
Ambient Air Temperature	+5 °C min. / +45 °C max.
Substrate Temperature	+5 °C min. / +55 °C max.
Drying time	Touch dry after ~1 h (+35 °C)
Waiting Time / Overcoating	Min 4 h (+35 °C)
Applied Product Ready for Use	~3 d (+25 °C)

APPLICATION INSTRUCTIONS

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 Sika® Igasol® Emulsion BA with clean water at 1 : 1 ratio (by weight).

When used as protective coating, all pinholes, cavities, cracks etc. in the substrate must be filled with a suitable Sika® repair mortar.

MIXING

Sika® Igasol® Emulsion BA must be stirred well before use. Where a single drum is used for prolonged periods, occasional stirring during application is recommended.

APPLICATION METHOD / TOOLS

If a primer coat is applied, allow it to dry before applying subsequent coats.

Apply evenly and in one direction using a brush or roller. A two-coat application is recommended to avoid possible pinholes in the membrane.

Each coat must be allowed to dry before applying the next one.

Protect freshly applied product from rain until it is fully cured.

CLEANING OF EQUIPMENT

Clean all equipment and tools with water immediately after use. Dampen tools before and occasionally during use to avoid clogging and ease application.

IMPORTANT CONSIDERATIONS

Do not apply Sika® Igasol® Emulsion BA during wet weather or when rain is expected.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

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