

## PRODUCT DATA SHEET

# Sika® Igasol® Emulsion BA-6510

### Rubberized Bituminous Waterproofing Emulsion

#### DESCRIPTION

Sika® Igasol® Emulsion BA-6510 is a rubberized bituminous liquid emulsion with excellent adhesion, which dries to a tough, seamless, highly flexible, waterproof and vapour proof membrane for concrete structures. Suitable for tropical and hot climatic conditions.

#### USES

Sika® Igasol® Emulsion BA-6510 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-6510 provides:

- High rubber content - 10 %
- 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 / STANDARDS

Sika® Igasol® Emulsion BA-6510 complies with concrete curing requirements of ASTM C309-93 and ASTM D2939, when applied at minimum 250 g/m<sup>2</sup>.

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Blend of bitumen and rubber
<b>Packaging</b>	200 L drums
<b>Colour</b>	Dark brown (liquid) Black (dry)
<b>Shelf Life</b>	12 months from production date when stored properly in original unopened containers.
<b>Storage Conditions</b>	Store in in original, unopened and undamaged sealed containers in a cool, dry area under shade temperatures between +5 °C and +35 °C.
<b>Density</b>	~1.05 kg/l (+25 °C)
<b>pH-Value</b>	~11

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## TECHNICAL INFORMATION

<b>Chemical Resistance</b>	Groundwater, salt solutions, sea water, mild detergents, mild acids and alkalis. Contact Sika Technical Department for further information
<b>Water Tightness</b>	No blistering, no loss of adhesion, no sign of re-emulsification (ASTM D2939)
<b>Service Temperature</b>	-10 °C min. / +85 °C max.

## APPLICATION INFORMATION

<b>Consumption</b>	0.25 - 0.50 kg/m <sup>2</sup> 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.
<b>Ambient Air Temperature</b>	+5 °C min. / +45 °C max.
<b>Substrate Temperature</b>	+5 °C min. / +55 °C max.
<b>Drying Time</b>	Touch dry after ~1 h (+35 °C)
<b>Waiting Time / Overcoating</b>	Minimum 4 h (+35 °C)
<b>Applied Product Ready for Use</b>	~3 d (+25 °C)

## BASIS OF PRODUCT DATA

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.

## LIMITATIONS

Do not apply Sika® Igasol® Emulsion BA-6510 during wet weather or when rain is expected.

## 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.

## 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-6510 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-6510 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 TOOLS

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

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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