

**Product Data Sheet**

Edition 01/12/2006

Identification no:

Sika® Sika® Igoflex®-101

# Sika® Igoflex®-101

## Thick, solvent-free Bitumen Polystyrene Coating

**Product Description**

Sika® Igoflex®-101 is a one-part, solvent-free, coating, based on polymer-modified bitumen emulsion and Polystyrene.

**Uses**

- Waterproofing of all types of below and above ground concrete structures to protect against dampness and percolating water with thick coating (protect against UV-light)
- Waterproofing of wet room floors and balconies under cement mortar screed
- Adhesive to glue light weight thermal insulation boards on facades

**Characteristics / Advantages**

- Applicable with notched trowel or with airless spray-gun
- Ready to use product
- Non-sag on vertical surfaces
- Remains flexible at low temperature
- Resistant to water pressure up to 0.75 bar
- Solvent free, non-flammable
- Can be applied on dry and damp surfaces
- Crack-bridging (improved when reinforced with Sika® Igoflex®-F01 glass fabric)

**Product Data****Form**

**Appearance / Colours** Pasty, brownish - black

**Packaging** 32 litre pails

**Storage**

**Storage Conditions/ Shelf-Life** 12 months from date of production, if stored properly in unopened and undamaged original sealed packaging. Store in dry conditions between +5°C to + 35°C.

**Technical Data**

**Chemical Base** Polymer modified bitumen emulsion with Polystyrene

**Density** 0.65 kg/l

**Curing Speed / Rate** surface – dry after 3 hours at +20°C  
cured 3 days after application

Dependent on ambient temperature, substrate temperature, relative dampness and thickness of the coating

**Solid Content by vol.** Approx. 58%

**Water tightness** watertight at max. 0.75 bar

Construction



<b>Service Temperature</b>	- 30°C to + 70°C
<b>Mechanical Physical Properties</b>	
<b>Crack-bridging (static)</b>	Max. 2.00mm (unreinforced) at +4°C
<b>Behaviour of coating in heat</b>	Softening point (ring and ball) > 150°C (dry film)
<b>Resistance</b>	
<b>Chemical Resistance</b>	Resistant against water, seawater and humic acid
<b>System Information</b>	
<b>Application Details</b>	
<b>Consumption / Dosage</b>	in two layers approx. 4.50 – 6.00 litre/m <sup>2</sup> (wet thickness 4.5 – 6.0mm/ dry thickness 3.0 - 4.0mm) dry residue when applied 67% max thickness / layer: 8.00mm approx. 2.00 litre/m <sup>2</sup> for gluing of thermal insulation boards
<b>Substrate Quality</b>	Substrate must be smooth, dry, free of dust, grease, oil and loose or friable particles. Surface defects, voids, honeycombing, etc. in the concrete must be repaired before coating
<b>Substrate Preparation</b>	Repair damaged substrates with Sika® repair mortars Clean concrete surfaces with rinsing water Clean contaminated substrates by steam cleaning, high pressure water jetting, etc. Priming of substrate with Sika® Igoflex® -P01
<b>Application Conditions / Limitations</b>	
<b>Substrate Temperature</b>	+5°C min. / +35°C max.
<b>Ambient Temperature</b>	+5°C min. / +35°C max.
<b>Substrate Moisture Content</b>	Slightly visible damp acceptable - no standing water

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**Application Instructions**

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**Application Method / Tools**

*Manual application:*  
- Apply with notched trowel

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**Cleaning of Tools**

Clean all tools and application equipment with water immediately after use. Hardened Sika® Igoflex® can be removed with Sika® Colma - Cleaner

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**Waiting Time until second coatings**

Before second coat: 3 - 4 hours  
Dependent on ambient temperature, substrate temperature, relative dampness and the thickness of coating  
Protect applied coating for min. 24 hours from frost

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**Notes on Application / Limits**

This product is not suitable as waterproofing against pressure water  
Do not apply the product in direct sunlight  
Do not apply the product during rainfall  
Protect new applied material area from rainfall, etc. for the curing time  
Warm-up the product before use in cold weather

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**Value Base**

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

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**Local Restriction**

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 product uses.

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**Health and Safety Information**

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.

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## 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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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