

Product Data Sheet

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Identification no:

Sika® Sika® Igoflex®-201

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Thick, solvent-free, fibre reinforced Bitumen Coating

Product Description	Sika® Igoflex®-201 is a two-part, solvent-free and fibre reinforced coating, based on polymer-modified bitumen emulsion. Part one contain liquid polymer modified bitumen emulsion with fibre, part two contain reactive powder for accelerated curing.
Uses	<ul style="list-style-type: none"> ■ Waterproofing of all types of below ground concrete structures to protect against soil dampness and percolating water with thick coating ■ Waterproofing of wet room floors and balconies under cement mortar screed ■ Adhesive to glue light weight thermal insulation boards on facades
Characteristics / Advantages	<ul style="list-style-type: none"> ■ 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	liquid part: pasty, brownish – black powder part: grey
Packaging	32 kg combi-pails containing: - liquid part 24kg, - powder part 8kg
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 and fibre reinforced bitumen emulsion with Polystyrene and hydraulic binder as reactive powder
Density	fibre reinforced emulsion (part one): 1.03 kg/l, reactive powder (part two): 1.30kg/l part one and part two mixed: approx. 1.17kg/l
Curing Speed / Rate	pot life approx. 90 minutes at +20 °C, curing time approx. 3 days Dependent on ambient temperature, substrate temperature, relative dampness and thickness of the coating

Construction



Solid Content by vol.	approx. 58%
Water tightness	watertight at max. 0.75 bar
Service Temperature	-30 °C to + 70 °C
Mechanical Physical Properties	
Crack-bridging	Max. 2.00mm (unreinforced) at +4 °C
Behaviour of coating in heat	Softening point (ring and ball) > 150 °C (dry film)
Resistance	
Chemical Resistance	Resistant against water, seawater and humic acid
System Information	
Application Details	
Consumption / Dosage	in two layers against soil dampness: approx. 4.50 – 5.00 kg/m ² (wet thickness 4.5 – 5.0mm/ dry thickness 3.1 -3.4mm) against percolating water: approx. 6.00 – 6.50 kg/m ² (wet thickness 6.0 – 6.5mm/ dry thickness 4.4 -4.7mm) dry residue when applied 75% max thickness / layer: 8.00mm approx. 2.00 litre/m ² for gluing of thermal insulation boards
Substrate Quality	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
Substrate Preparation	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
Application Conditions / Limitations	
Substrate Temperature	+5 °C min. / +35 °C max.
Ambient Temperature	+5 °C min. / +35 °C max.
Substrate Moisture Content	Slightly visible damp acceptable - no standing water

Application Instructions

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

Waiting Time until second coatings

Before second coat: 2 - 4 hours

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

Protect applied coating for min. 72 hours from frost

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

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.

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.

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.

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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