

Product Data Sheet
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Sika® Igoflex®-201

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Two-part, thick layer, solvent-free, fibre reinforced polymer modified bitumen emulsion coating

Product Description	Sika® Igoflex®-201 is a two-part, solvent-free and fibre reinforced coating, based on a polymer-modified bitumen emulsion. Part one contains the liquid polymer modified bitumen emulsion, with the fibre reinforcement. Part two contains the reactive component for accelerated curing.
Uses	<ul style="list-style-type: none">■ Waterproofing of all types of below ground concrete structures as a thick layer coating to protect against percolating water■ Waterproofing of wet room floors and balconies under cementitious screeds■ As an adhesive to bond light weight thermal insulation boards
Characteristics / Advantages	<ul style="list-style-type: none">■ Applied by notched trowel■ Non-sag on vertical surfaces■ Remains flexible at low temperature■ Solvent free, non-flammable■ Applied on dry and slightly damp surfaces■ Provides crack-bridging capability (improved further when reinforced with Sika® Igoflex®-F01 glass fabric)

Product Data

Form

Appearance / Colour	Liquid part: pasty, brownish - black Powder part: grey
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Packaging	32 kg combi-pails containing: <ul style="list-style-type: none">- liquid part 24 kg- powder part 8 kg
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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.
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Technical Data

Chemical Base	Polymer modified and fibre reinforced bitumen emulsion with polystyrene fillers and a reactive hydraulic binder.
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Construction

Density	Fibre reinforced emulsion (Part one): 1.03 kg/l Reactive powder (Part two): 1.30 kg/l Part one and Part two mixed together: ~ 1.17 kg/l
Curing Speed / Rate	Pot life approx. 90 minutes at +20°C, final curing time approx. 3 days. Dependent on the ambient temperature, substrate temperature, relative humidity and the thickness of the coating applied.
Solids Content	~ 58% by vol.
Water Vapour Permeability	μ 38'000
Service Temperature	-30°C to +70°C
Mechanical / Physical Properties	
Water Tightness	7 bar (4mm dry film thickness with Sika® Igoflex®-F01 fleece) (DIN 1048-5)
Rip Pressure Test	0.75 bar (4mm dry film thickness with Sika® Igoflex®-F01 fleece) (DIN 52123)
Behaviour of Coating in Heat	Softening point (ring and ball test): > 150°C (dry film)
Crack-Bridging Capacity	Max. 2.00 mm (unreinforced) at +4°C
Resistance	
Chemical Resistance	Resistant to fresh water, seawater and humic acid (from soft water)
System Information	
Application Details	
Consumption / Dosage	<i>For waterproofing in two layers</i> For soil contact: ~ 4.50 - 5.00 kg/m ² (wet film thickness 4.5 - 5.0 mm / dry film thickness 3.1 - 3.4 mm). For percolating ground water: in two layers: ~ 6.00 - 6.50 kg/m ² (wet thickness 6.0 - 6.5 mm / dry thickness 4.4 - 4.7 mm). Dry solids when cured 75% Max thickness per layer: 8.00 mm As an adhesive: ~ 2.00 litre/m ² for bonding of thermal insulation boards.
Substrate Quality	Substrate must be uniform, dry, free of dust, oil or grease and loose or friable particles. Surface defects such as blowholes, voids, honeycombing, etc. in the concrete must be repaired with suitable Sika mortars before coating.
Substrate Preparation	Repair damaged concrete substrates with Sika® repair mortars. Rinse concrete surfaces with clean water. Clean contaminated substrates by appropriate means including steam cleaning, high pressure water jetting, etc. to achieve a suitable substrate and surface quality as outlined above. Prime porous substrates 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 damp - no standing water.
Application Instructions	
Application Method / Tools	<i>Manual application:</i> - Apply by notched trowel
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 / Overcoating	Before a second coat: 2 - 4 hours. Dependent on the ambient temperature, substrate temperature, relative humidity and the thickness of coating applied. Protect the freshly applied coating for min. 72 hours from frost.
Notes on Application / Limitations	Do not apply the product in direct sunlight. Do not apply the product during rain. Do not dilute the product with water. Protect newly applied material from rain, etc. until cured. Warm the product before use in cold weather. Not resistant against UV light
Value Base	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.
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.
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 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.



Sika Limited
 Watchmead
 Welwyn Garden City
 Hertfordshire
 AL7 1BQ
 United Kingdom
 Phone +44 1707 394444
 Telefax +44 1707 329129
www.sika.co.uk
 email: sales@uk.sika.com



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