

Sika® Igoflex®-102

One part, thick layer, solvent-free, flexible, polymer modified and fiber reinforced thick bitumen coating

Product Description	Sika® Igoflex®-102 is a one-part, solvent-free coating, based on a polymer-modified bitumen emulsion extended with fillers and fibres. The compound hardens using a moisture release mechanism. The coating allows application of thick layers with crack bridging properties
Uses	<ul style="list-style-type: none">■ Waterproofing of underground substrates in construction■ Waterproofing of wet rooms and damp areas■ Balcony waterproofing■ Waterproofing under thermal insulation boards■ Refurbishment of old waterproofing bituminous coatings
Characteristics / Advantages	<ul style="list-style-type: none">■ Applied by notched trowel or airless spray■ Supplied ready to use■ Completely waterproof after drying■ Seamless waterproofing membrane■ Remains flexible at low temperature■ Solvent free, non-flammable and environmental friendly■ Can be used for the adhesion of insulating boards■ Thick single layer applicable

Product Data

Form

Appearance / Colours Pasty, brown - black

Packaging 25Kg, plastic 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 +30°C.

Technical Data

Chemical Base Polymer modified bitumen emulsion, fibre reinforced.

Density 1.2g/cm²

Curing Speed / Rate Potlife is approx./ 90 minutes at +20°C
Fully hardened 3 days after application.
Dependent on the ambient temperature, substrate temperature, relative humidity and the thickness of the coating.



Solids Content	~ 68%
Service Temperature	-30 °C to +70 °C
Mechanical / Physical Properties	
Water Tightness	Watertight at max. 0.75 bar
Behaviour of Coating in Heat	Softening point (ring and ball test): > 150 °C (dry film)
Crack-Bridging Capacity	Static: 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</i> ~ 4.50 - 6.00 kg/m ² (wet film thickness) 3.1-4.1 mm / dry film thickness Max thickness per layer: 8.00 mm As an adhesive (in one layer): ~ 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 substrates with Sika [®] repair mortars. Rinsing concrete surfaces with clean water. Clean contaminated substrates by suitable means including steam cleaning, high pressure water jetting, etc. to achieve a suitable substrate surface quality as outlined above. Prime porous substrates with Sika [®] Igolflex [®] -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

Spray application:

- Use airless spray equipment suitable for high viscous liquids with a feed pressure of ~ 4 bar

Manual application:

- 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 against water pressure

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 dully hardened for at least 72 hours.

Warm the product before use in cold weather.

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 shall 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.

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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