BUILDING TRUST

PRODUCT DATA SHEET

# Sika® Igolflex®-201

2-PART POLYMER MODIFIED BITUMINOUS THICK COATING

## PRODUCT DESCRIPTION

Sika® Igolflex®-201 is a 2 component polymer modified bituminous flexible thick coating extended with fibre for waterproofing against dampness and moisture ingress.

## USES

- Waterproofing and damp proofing of below ground concrete structures to protect against percolating water, dampness and moisture ingress
- Waterproofing beneath cementitious floor screeds
- Adhesive to bond lightweight thermal insulation boards

## CHARACTERISTICS / ADVANTAGES

- Non-flammable
- Flexible with crack-bridging capabilities
- Fast curing time
- Used as adhesive for thermal insulation boards
- Can be applied on dry and slightly damp surfaces
- Easy to apply by notched trowel
- Non-sag on vertical surfaces

## APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 15814 - Polymer modified bituminous thick coatings for waterproofing in below ground structures

## PRODUCT INFORMATION

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| **Chemical Base** | Polymer modified and fibre reinforced bitumen emulsion and a reactive hydraulic binder. | |
| **Packaging** | 32 kg combi-unit: | |
| | Part A - Liquid | 24 kg |
| | Part B - Powder | 8 kg |
| | Refer to current price list for packaging variations. | |
| **Colour** | Part A | Black |
| | Part B | Grey |
| **Shelf Life** | 12 months from date of production | |
| **Storage Conditions** | The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. | |
| **Density** | Part A | ~1,03 kg/l |
| | Part B | ~1,30 kg/l |
| | Mixed A + B | ~1,17 kg/l |

## TECHNICAL INFORMATION

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| **Crack Bridging Ability** | Class CB 2 | No damage (for crack width ≥ 2 mm and dry layer thickness ≥ 3 mm) | (EN 15812) |
| **Chemical Resistance** | Resistant to aggressive substances in natural ground water and soil. Contact Sika Technical Services for additional information. | | |
| **Permeability to Water Vapour** | μ ≥ 38 000<br>Sd ≥ 117 m | | (DIN EN 12086)<br>(DIN EN 1931) |
| **Water Tightness** | Class W2A | Pass (≥ 72 h at 0,075 N/mm² for dry layer thickness with inlay ≥ 4 mm) | (EN 15820) |
| **Reaction to Fire** | Class E | | (EN 13501-1) |

## APPLICATION INFORMATION

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| **Mixing Ratio** | Part A : Part B = 3 : 1 (by weight) | | |
| **Consumption** | Consumption depends on the roughness and absorbency of the substrate. | | |
| | Damp proofing | ~4,5 to 5,0 kg/m² | (~4,5 to 5,0 mm wft)<br>(3,1 to 3,4 mm dft) |
| | Waterproofing | ~6,0 to 6,5 kg/m² | (~6,0 to 6,5 mm wft)<br>(4,4 to 4,7 mm dft) |
| | Adhesive for boards | ~2,0 kg/m² | |
| | These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc. | | |
| **Layer Thickness** | Refer to national and local standard.<br>Minimum recommendations: | | |
| | Damp proofing | 3 mm dry film (one layer) | |
| | Waterproofing | 4 mm dry film in two layers with an inlay of Sika® Igolflex® F-01 | |
| **Ambient Air Temperature** | +5 °C min. / +35 °C max. | | |
| **Substrate Temperature** | +5 °C min. / +35 °C max. | | |
| **Substrate Moisture Content** | Dry or slightly damp | | |
| **Pot Life** | ~1,5 hours (at +20 °C), depends on ambient conditions. | | |
| **Curing Time** | Fully cured: ~2 to 3 days.<br>Times are approximate and will be affected by substrate, film thickness and changing ambient conditions particularly temperature and relative humidity. | | |
| **Waiting Time / Overcoating** | Sika® Igolflex®-201 on Sika® Igolflex®-201: Within 2 to 4 hours.<br>Times are approximate and will be affected by substrate, film thickness and changing ambient conditions particularly temperature and relative humidity. | | |

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

Substrate must be uniform, dry or slightly damp, free from dust, loose material, surface contamination, existing coatings, oil, grease and other materials which could reduce adhesion of the coating. Surface defects (>5 mm) such as blowholes, voids, honeycombing, etc. must be filled / repaired with suitable Sika® repair

mortars.

### SUBSTRATE PREPARATION

Surfaces must be cleaned and prepared using suitable preparation techniques to provide a clean slightly textured surface. Defects should be repaired with an appropriate Sika® repair mortar. Porous substrates must be primed using Sika® Igolflex ® P-01 or use diluted Sika® Igolflex®-101. Sika® Igolflex®-101 : Water (1:2 by weight).

### MIXING

Prior to mixing all parts, mix part A (resin) using an electric single paddle mixer (300–400 rpm) or other similar equipment. Mix liquid and all the coloured pigment until a uniform colour / mix has been achieved. Add part B (hardener) to part A and mix part A + B continuously for at least 3 minutes until a uniformly coloured mix has been achieved. Excessive mixing must be avoided to minimise air entrainment. During the final mixing stage, scrape down the sides and bottom of the mixing container with a straight edge trowel or spatula at least once to ensure complete mixing. Mix full units only. Mixing time for A+B = ~3 minutes.

### APPLICATION METHOD / TOOLS

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.
Prior to application, confirm substrate moisture content, substrate and air temperatures.
Apply mixed Sika® Igolflex®-201 onto prepared substrate and spread evenly using a suitable trowel to the required thickness in 1 or 2 layers.

### CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened Sika® Igolflex®-201 can be removed with Sika® Thinner C.

## LIMITATIONS

- Sika® Igolflex®-201 is recommended for waterproofing against percolating water not water pressure.
- After application product must be protected from rain, frost and direct sunlight etc. until cured.
- Do not use on structural elements permanently exposed to UV light and weathering.
- Do not use for contact with potable drinking water.
- Coating must be protected as soon as possible after the coating has hardened and before backfilling.
- Do not use on structural elements which are exposed to vehicular or pedestrian traffic.
- Additional joint sealing using Sika® Joint Sealing Solutions is recommended for connections, around penetrations and expansion joints.

## VALUE BASE

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

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## 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.

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