

## PRODUCT DATA SHEET

## Sika® Igolflex®-130

## HIGHLY ELASTIC BITUMEN LIQUID-APPLIED WATERPROOFING COATING

## DESCRIPTION

Sika® Igolflex®-130 is a water-based waterproof coating prepared by special processes after using high polymer modified bitumen such as SBS and APP. It has excellent application performance and service performance. After cured, it has excellent elastic-plastic property, low temperature flexibility and aging resistance.

## USES

Waterproofing for none-exposed applications:

- Flat roofs
- Balconies
- Below grade waterproofing of concrete and masonry surface
- Basement etc.
- Wall damp proofing
- Retaining walls

## FEATURES

- Single component, cold applied
- Non-toxic, odorless, and pollution-free
- Capable of thick coating, saving labor and time
- Safe and convenient application, excellent adhesion to concrete, wood, and asbestos tile, even on wet substrate
- Moves with normal thermal movement – Retains flexibility even at low temperatures
- High temperature resistance, corrosion resistance

## PRODUCT INFORMATION

Packaging	20kg/pail Packed in white plastic barrels with inner PE bags
Appearance and colour	Dark brown in liquid, black after cured.
Shelf life	12 months from date of production stored properly in unopened, original packaging
Storage conditions	Store properly in original unopened, sealed and undamaged packaging in dry conditions at temperatures between +5 °C and +40 °C. Keep away from direct sunlight. Always refer to packaging.
Density	~1.10-1.30 kg/L
Solid content by volume	≥ 45%

## TECHNICAL INFORMATION

Tensile strength	> 0.5 N/mm <sup>2</sup>	ASTM D 412
Tensile strain at break	> 300%	ASTM D 412

## SYSTEM INFORMATION

System structure	Priming	0.2 - 0.3 kg/m <sup>2</sup>	Add ~20-50% fresh water (part by weight)
	1 <sup>st</sup> Coat	0.6 - 0.8 kg/m <sup>2</sup>	
	2 <sup>nd</sup> Coat	0.6 - 0.8 kg/m <sup>2</sup>	
	3 <sup>rd</sup> Coat	0.6 - 0.8 kg/m <sup>2</sup>	Optional

## BASIS OF PRODUCT DATA

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

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological, and other safety-related data.

### SUBSTRATE QUALITY

The quality of the substrate is directly related to the service life of the waterproof layer, so the substrate must meet the following conditions:

- The cement mortar or concrete grade must meet the design requirements
- The substrate should be solid, flat, free of concavities, pits, sand, etc.
- The root of the parapet wall should be rounded with a radius not less than 50mm

### MIXING

Mechanical mixing is not required. Product should be manually stirred with a plastic spatula until a smooth consistency is obtained.

### APPLICATION

#### Priming:

Add ~20-50% fresh water (by weight) to Sika® Igolflex®-130 and mix thoroughly. Prime the surface by brush or spray. Allow to completely dry prior to the application of further coatings. In case of porous, absorbent substrates pre-wet the surface with water. Avoid standing water.

#### Application:

Sika® Igolflex®-130 is applied using a wide nylon brush, sheepskin disposable rollers or by spraying. The product should be applied in 2 or 3 coats of 0.6 - 0.8 kg/m<sup>2</sup> (depending on application requirements), allowing each coat to dry fully before the next coat is applied. Subsequent coats should be applied at right

angles to the previous coat. The product must not be applied in wet conditions or exposed to water until it has fully dried.

Waiting time between coats is 4-6 hours, depending on ambient conditions.

The waterproofing system should be allowed to cure for at least 72 hours prior to overlaying with screed. For large areas, a polythene sheet should be placed to isolate the screed from Sika® Igolflex®-130 membrane. At day joints, Sika® Igolflex®-130 membrane should overlap the existing cured membrane by at least 100 mm.

### Notes on Application / Limitations

- The application should start from detailing and then conduct large-scale rolling
- The coating should be applied 2-3 coats, and its thickness should not be less than 1mm.
- As Sika® Igolflex®-130 is not long term UV resistant therefore exposed surface (e.g. flat roof) must be protected (e.g. over coated with reflective paint or protective mortar screed) as soon as possible after application.
- Not to be used as a traffic bearing surface.
- Do not thin with solvents.

## 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 exact product data and uses.

## 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

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April 2025, Version 02.01  
020706301000000181

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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