BUILDING TRUST

PRODUCT DATA SHEET

Sika® Igolflex®-130

HIGHLY ELASTIC BITUMEN LIQUID-APPLIED WATERPROOFING MEMBRANE

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

None-exposed applications:

- Below grade waterproofing of concrete and masonry surface
- Flat roof and balconies
- Basement
- Wall damp proofing
- Maintenance of old bitumen roofs, asbestos tile roofs, and gutters and flashing of various structures

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 board, 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
Shelf life	Under normal transportation and storage conditions, the shelf life is 12 months from the production date.
Storage conditions	The product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between 5°C and 40°C.Store in a horizontal position. Covering the tablecloth if necessary. No more than four layers of packaging drums shall be stacked. Always refer to packaging.
Appearance and colour	Dark brown in liquid, black after cured.
Density	1.10-1.30 kg/m3
Solid content by mass	≥ 45%

TECHNICAL INFORMATION

Tensile strength	>0.50 N/mm²	ASTM D 412
Tensile strain at break	>600%	ASTM D 412

APPLICATION INFORMATION

Consumption

Layer	Consumption
Primer :	~ 0.3 kg/m²
Coating:	~ 0.7 kg/m² per coat (Apply at least 2 coats, or more to achieve required thickness)

Note

1. Use reinforcement as LANKO Glass Fiber Mesh for all joints, areas subject to differential movement, guttering or drainage channels.
2. Consumption data is theoretical and does not consider any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Waiting time to overcoating

3 hours at +30 °C / 50 % r.h.
Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

BASIS OF PRODUCT DATA

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.

LIMITATIONS OF USE

- The application should start from detailing and then conduct large-scale rolling
- Overall coating: first make a base coat, dilute the product with water, fully coat the substrate once. After cured, apply the product in layers. The coating should be applied no less than twice, 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
- Once the container is opened, use the entire contents
- Ponding test (if required) shall be conducted after membrane is dry completely.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Substrate must be clean, sound and free from standing water and any surface contamination i.e. oil, grease, curing compounds and surface laitance.
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
- The dividing seam is aligned with the plate end seam, and the seam width is 20mm

APPLICATION

Priming
Add ~20-30% 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
Apply Sika® Igolflex®-130 to the clean and primed surface by brush or spray. When spraying exterior below grade walls, ensure a uniform thickness to obtain a pinhole-free surface. For water tightness apply 2-3 coats. Allow the coat to dry between application.

CLEANING OF EQUIPMENT

Clean tools and hands with cold water when wet and use solvents when dry.

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.

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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