



BUILDING TRUST



## PRODUCT DATA SHEET

# Sika® Igoflex®-121 IN

One component ,Polyurethane based hybrid liquid applied waterproofing coating for Concealed Applications(Formerly Davco® K10 Dampflex)

### DESCRIPTION

It is a polyurethane based hybrid liquid applied waterproofing coating for concealed applications. It is especially suited for applications in wet rooms which are typically covered by a tile adhesive/protective screed for installation of tiles. It is also highly recommended to be used at the plinth level as damp proofing coating to prevent rising moisture from the soil through the brickwork.

### USES

- Waterproofing shower rooms
- Waterproofing bathrooms
- Waterproofing terraces and balconies
- Damp proofing at plinth level (DPC) of building foundations

### FEATURES

- Seamless
- 1-part ready to use
- Water-based
- Fast drying
- Impermeable to liquids
- Good crack-bridging ability
- Easy and fast application
- Extremely flexible, high elongation, absorbs vibration
- Bonds to various substrates
- Suitable for brush and roller application
- Non-toxic, non-flammable

### PRODUCT INFORMATION

<b>Composition</b>	Water based polyurethane dispersion and bitumen
<b>Packaging</b>	20 kg and 5 kg container
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +35 °C. Protect from direct sunlight.
<b>Appearance and colour</b>	Grey liquid
<b>Density</b>	~1.2 kg/L (EN ISO 2811-1)
<b>Solid content by mass</b>	~60 %

### TECHNICAL INFORMATION

<b>Tensile strength</b>	~1.2 N/mm <sup>2</sup> (ASTM D412)
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Tensile strain at break	~250 %	(ASTM D412)
Tensile adhesion strength	~1.0 N/mm <sup>2</sup>	(ASTM D4541)
Tear strength	~13 N/mm	(ASTM D624)

## SYSTEM INFORMATION

System structure	Layer	Product
	Primer	Sika® Igoalflex®-121 IN diluted with 10 % water by weight
	Base coat	Sika® Igoalflex®-121 IN
	Top coat	Sika® Igoalflex®-121 IN
	Protection	Screed / Plaster

## APPLICATION INFORMATION

Consumption	~0.8–1.2 kg/m <sup>2</sup> in 2 coats Note: The consumption will vary depending on application area, substrate type, substrate roughness, surface profile, absorption of the surface and thickness required.
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Ambient air temperature	+10 °C min. / +40 °C max.
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Substrate temperature	+10 °C min. / +40 °C max.
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Substrate moisture content	< 6 %
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Waiting time to overcoating	Base layer	Overcoating layer	Waiting time
	Sika® Igoalflex®-121 IN diluted with 10 % water by weight	Sika® Igoalflex®-121 IN	~30 minutes
	Sika® Igoalflex®-121 IN	Sika® Igoalflex®-121 IN	~2–4 hours
	Sika® Igoalflex®-121 IN	Screed / Plaster	~24 hours

Note: Above values are at +30 °C and 50 % relative humidity. Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Applied product ready for use	Foot traffic	~1 d
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IMPORTANT

Applied Sika® Igoalflex®-121 IN must not be subjected to ponding before 7 days..

IMPORTANT

Not suitable for swimming pools or structures subjected to continuous water contact.

## 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.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

IMPORTANT

### Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

### SUBSTRATE QUALITY

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material. It should be sound having minimum pull off strength of 1.5 MPa.

## SUBSTRATE PREPARATION

### IMPORTANT

#### Exposing blow holes and voids

When mechanically preparing the surface, make sure to fully expose blow holes and voids.

1. Remove weak cementitious substrates.
2. Prepare cementitious substrates mechanically using abrasive blast cleaning or planing / scarifying equipment to remove cement laitance.
3. Before applying thin layer resins, remove high spots by grinding.
4. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.
5. Use products from our Sika® repair range of materials to level the surface or fill cracks, blow holes and voids.

Contact Sika® Technical Services for additional information on products for levelling and repairing defects.

## MIXING

### IMPORTANT

Do not dilute the product with water except for priming applications.

1. The product is 1-part and supplied ready to use. Stir and mix the contents inside the container to make it homogeneous.

## APPLICATION

### PRIMER

1. Apply 1 coat of primer. Ensure a continuous, pore free primer coat covers and seals the substrate.
2. Apply second coat if substrate looks dry after first coat of primer.

### COATING SYSTEM

1. Apply the primer to the prepared substrate.
2. Pour the product onto the substrate.
3. Apply the product evenly over the surface with a short pile roller or a brush. Note: The consumption is specified in Application Information.
4. After the inter-coat waiting time apply a second coat over the surface with a short pile roller or a brush.
5. (Optional) Apply 3rd coat when necessary to ensure that the whole surface is uniformly sealed and no pinholes are left on the surface.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with water/thinner after use. Hardened material can only be mechanically removed.

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## 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 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.