

PRODUCT DATA SHEET

Sika® Igolflex®-171 GR

Bituminous anionic emulsion

DESCRIPTION

Sika® Igolflex®-171 GR is a low-viscosity, 1-component liquid, waterproofing coating, based on a blend of bitumen and additives. It is odorless and non-flammable, as it does not contain any dangerous solvents. It does not contain fillers and is highly homogeneous.

USES

- Suitable for use in many different applications and especially waterproofing of concrete structures that are going to be backfilled such as foundations, retaining walls, floors, e.t.c.
- Waterproofing and protection of building constructions made of concrete, mortars, bricks.
- Primer for torch applied bituminous felts

FEATURES

- Solvent free, user and environmentally-friendly, non flammable and odourless
- Can be diluted with water
- Unaffected by weak acidic and alkaline solutions
- Exceptional adhesion to various substrates, due to its minimal filler content
- Applicable on dry or damp substrates
- Easy application, ready for use
- Economic product
- Does not re-emulsify after drying
- Very low content of aggregates and as a result presents excellent adhesion and penetration ability
- Resistant to ground-root acids
- Is not affected by diluted acidic or alkali solutions

PRODUCT INFORMATION

Composition	Water based bitumen & emulsifiers	
Packaging	Pails	5.0 kg and 17.0 kg
	Drum	200.0 kg
Colour	Liquid emulsion, dark brown	
Shelf life	12 months from production date	
Storage conditions	Store in original, unopened, undamaged and sealed packaging, protected from direct sunlight, at temperatures between +5 °C to +35 °C. Protect from frost. If the product has been stored for a prolonged time, it can be thinned with water, if required. Agitate the product with electrical mixer, at low speed before use.	
Density	1,0 – 1,05 kg/lit	(EN ISO 2811)
pH-Value	~ 8 – 9 (at +25 °C)	
Viscosity	50-150 mPa*s	(sp.4, 5rpm, 25 °C)

TECHNICAL INFORMATION

Service temperature	Minimum	+5 °C
	Maximum	+35 °C

APPLICATION INFORMATION

Consumption	Sika® Igolflex®-171 GR is applied in 2 coats. 0,20 – 0,80 kg/m ² per coat	
	These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage, e.t.c.	
Ambient air temperature	Minimum	+5 °C
	Maximum	+35 °C
Drying time	~24h (at +25 °C) Time depends on ambient temperature, substrate temperature, relative humidity and the thickness of the coating.	

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.

IMPORTANT CONSIDERATIONS

- Do not apply the Sika® Igolflex®-171 GR on surface permanently exposed to UV radiation.
- Do not apply the product during rain
- Protect newly applied material from rain, e.t.c., until fully hardened
- During storage, if the product has been exposed to below zero temperatures, it must be transported to a warm area and must be left to return to its normal state (liquid). Under no circumstances heat the product by exposing it to direct flame.

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 PREPARATION

Substrate must be clean, free from dust, oil, grease, loose and friable parts. Concrete surface defects, such as voids, holes, e.t.c., must be repaired prior to application using repair mortars from Sika MonoTop® / SikaRep® / Sikadur® range of products. Removal of dirt can be performed using mechanical means or water jetting. Application surface can be dry or damp.

MIXING

Prior to application, stir Sika® Igolflex®-171 GR gently but thoroughly in order to achieve a homogeneous mixture. For mixing, an electric single paddle mixer (300-400 r.p.m.) with a spiral blade can be used. If Sika® Igolflex®-171 GR is applied as a primer, dilute it with 20% water. Subsequent layers must be applied undiluted.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Superficially cured Sika® Igolflex®-171 GR can be removed using Sika® Colma or gasoline. Fully hardened / cured material can only be mechanically removed.

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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Product Data Sheet

Sika® Igolflex®-171 GR
March 2025, Version 02.01
020706301000000142

Sikalgolflex-171GR-en-GR-(03-2025)-2-1.pdf