

PRODUCT DATA SHEET

Sika® Igoflex®-611

(formerly MSeal 611)

High solids protective coating and curing membrane based on emulsified bitumen

DESCRIPTION

Sika® Igoflex®-611 is a brown rubber/bitumen liquid emulsion with excellent adhesion which dries to a tough black seamless, flexible protective coating which also acts as a curing compound and vapour-proof membrane.
Suitable for use in tropical and hot climatic conditions.

USES

- General waterproofing and damp proofing of concrete, asbestos cement, roofing felt, slate tiles, wood, etc.
- Metal protection: provides protection for structural steelwork, pipes, etc.
- Insulation: provides a vapour barrier for cold storage rooms, etc.
- Protection to a variety of buried structures such as concrete foundations and retaining walls.
- As a curing compound onto green concrete.

FEATURES

- Can be applied on damp substrates
- Non sagging
- Single component
- Water based
- Economical, easy to apply, reduces labour cost
- Can be applied on vertical and horizontal areas
- Elastic, seamless, joint free
- Low odour, dries without generating strong vapour

CERTIFICATES AND TEST REPORTS

- ACI 515 IR-79. Guide to use of waterproofing, damp proofing, protecting and decorative barrier systems for concrete. Chapter 2 Section 2.1.1, 2.1.2., 2.1.3.
- ASTM C309.

PRODUCT INFORMATION

Packaging	200 L drums
Colour	Dark brown
Shelf life	12 months from production date when stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight, heat and moisture.
Density	~1.00 kg/l (at 25°C)
Flash point	Non flammable
Solid content by volume	~40 % (ASTM D2939)

APPLICATION INFORMATION

Consumption	Typically, a coverage rate of 2 - 6 m ² / litre / coat (minimum 2 coats required) dependent on substrate, porosity, texture and desired application.
Substrate temperature	+5°C to 55°C
Waiting time to overcoating	12 - 24 hours per coat
Drying time	Should be allowed to dry for min 24 hours.

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.

IMPORTANT CONSIDERATIONS

Agitate before use. As settlement can occur, the drum should be rolled before decanting material. Sika® Igoalflex®-611 will act as a curing compound when applied to green concrete. Apply immediately when formwork is removed. Concrete coated with Sika® Igoalflex®-611 will prevent the absorption of saline solutions.

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

SUBSTRATE PREPARATION

Ensure surface to be treated is sound and free of all oil, grease or conventional curing compounds. Sika® Igoalflex®-611 can be applied directly as a protection to concrete surfaces cured utilising non-degradable curing compounds such as Sika® Antisol®-181. If the surface is dusty, it should be primed with a coat of Sika® Igoalflex®-611 diluted with an equal quantity of clean water and allowed to dry, before applying further coats of Sika® Igoalflex®-611. Sika® Igoalflex®-611 can be applied to damp surfaces.

APPLICATION

Apply by brush, broom or squeegee. Apply one or two coats, depending on the degree of protection required. Apply subsequent coats at right angles to the first, allowing 12 to 24 hours between coats. Where being utilised to damp proof solid floors or where a screed is to be applied over Sika® Igoalflex®-611, apply a second coat at right angles and lightly grit to form a key. Allow at least 24 hours before application of concrete screed, ensuring this is greater than 60 mm in thickness.

CLEANING OF EQUIPMENT

Before Sika® Igoalflex®-611 has dried, clean tools using soapy water. If dried, remove by scraping and with paraffin or white spirit.

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.

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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

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