

## PRODUCT DATA SHEET

## Sika® Igolflex®-480

(formerly MSeal 480)

Flexible bitumen-rubber membrane

## DESCRIPTION

Sika® Igolflex®-480 is a single component solvent-free rubber-bitumen sealing membrane which can be applied with brush, roller, or trowel. On evaporation of water from the applied film, it forms a durable, jointless, elastoplastic membrane with excellent adhesion to most construction materials.

## USES

Sika® Igolflex®-480 is ideal for all situations where water seepage or water ingress has to be stopped. Applications include;

- External tanking of masonry or concrete walls of basements and sumps.
- Waterproofing of retaining walls.
- Foundations.
- Bitumen based primer for bituminous waterproofing membrane prior to application of torching membrane.

## FEATURES

- Seamless - No joints or laps to allow ingress of water.
- Single component - No mixing needed. Saves time and labour.
- Excellent adhesion
- Easily applied by brush, roller or trowel.
- Odourless

## PRODUCT INFORMATION

Packaging	200 kg / drum
Colour	Wet – Dark brown Dry – Black
Shelf life	12 months from date of production
Storage conditions	Store in undamaged original sealed containers, in dry conditions and protected from direct sunlight or frost at temperatures between +5 °C and +40 °C
Density	0.96 – 1.20 @ 25 °C, g/cc (Density cup, 100 cc.) ASTM D1475
Flash point	NO FLASH POINT. Sika® Igolflex®-480 is a water-based material.
Consistency	A non-drip thixotropic paste of brushing consistency.

## TECHNICAL INFORMATION

Tensile strength	≥ 0.20 Mpa	ASTM D412:1998
Elongation	≥ 400 %	ASTM D412:1998

## APPLICATION INFORMATION

Consumption	<b>As a primer for bituminous waterproofing membrane on concrete :</b> 0.3 - 0.5 kg/m <sup>2</sup> .  <b>As Bitumen Coating Sealing Membrane :</b> ~ 0.60 kg/m <sup>2</sup> /coat. Minimum 2x coats is recommended. Higher rate of coverage is required depending on the porosity of the substrate.
Ambient air temperature	+5 °C to +50 °C
Waiting time to overcoating	Allow 4 to 8 hours (at +25 °C) between the first coat and second coats.
Applied product ready for use	Sika® Igolflex®-480 should be allowed to cure for min. 48 hours prior to overlaying with protection layer (e.g screed). Applied product ready to use min. 48 hours (at +25 °C).

## 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

- Sika® Igolflex®-480 may cure slower when the relative humidity is high, i.e. in closed or inadequately ventilated rooms and basements.
- Do not allow temporary ponding to remain between coats on any horizontal surfaces or until the final coating has totally cured. Brush or mop surface water away during this time.
- Freshly applied Sika® Igolflex®-480 should be protected from rain for at least 8 hours (at +25°C).
- Do not allow permanent exposed under UV.
- Do not apply Sika® Igolflex®-480 in water retaining structures such as RC tanks, swimming pools, water features, etc.

## 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

Correct substrate preparation is critical for optimum performance.

In new construction it is recommended to avoid using curing compounds on surfaces which are to be treated with Sika® Igolflex®-480.

Surfaces should be structurally sound, clean and free from loose particles, oil, grease, or any other contaminant. Cement laitance, loose particles, mould release agent, curing membrane, and other contaminants must be removed by wet grit blasting, high pressure water jetting (approx. 150 bars) or other effective methods. Remove all sharp projections from the substrate.

Repairs to the substrate, filling of joints, blowholes/voids and surface levelling must be carried out using appropriate products from the Sika-floor®, SikaDur® and SikaGard® range of materials. High spots must be removed by e.g. grinding.

Sika® Igolflex®-480 must be applied on surfaces after all existing water leakages have been stopped. Sika® Igolflex®-480 should not be applied on surfaces containing live leaks. Arrest all existing water leaks from the surface.

### MIXING

Prior to application stir Sika® Igolflex®-480 thoroughly in order to achieve a homogeneous mix.

## APPLICATION

### As a primer for bituminous waterproofing membrane on concrete :

- Apply Sika® Igoflex®-480 as a primer on all concrete substrates.
- The primer should be applied at a rate of approximately 0.3 - 0.5 kg/m².
- The primer coating must be totally dry before application of the waterproofing membrane.

### As Bitumen Coating Sealing Membrane :

#### ▪ Priming

Sika® Igoflex®-480 does not require priming. Pre-wet surfaces thoroughly with clean water before application.

#### ▪ Application

Avoid application during inclement weather or when rain is imminent. Stir Sika® Igoflex®-480 before use. Apply Sika® Igoflex®-480 evenly onto the prepared surface at ~ 0.60 kg/m²/coat in 2 coats with a roller, stiff brush, a 3mm notched trowel or rubber edged squeegee. The second coat should be applied only after the first has dried. The wet film thickness of each coat should not exceed 1.5 mm.

## CURING TREATMENT

Sika® Igoflex®-480 is self curing. Drying normally takes about a day, depending on the ambient conditions. Check drying by slightly pressing the thumb onto the surface and twisting. If the twisted surface returns to original position without breaking or sticking to the thumb, it confirms a dried surface. Extend the coating to skirt the peripheral vertical surfaces at least up to a level slightly higher than the final finished level of the surface.

After the coating have been fully cured, protect Sika® Igoflex®-480 from UV exposure.

## CLEANING OF EQUIPMENT

Clean hands and tools with cold water before Sika® Igoflex®-480 hardens.

Hardened Sika® Igoflex®-480 can be removed using kerosene or 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 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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