

PRODUCT DATA SHEET

Sika® Igoflex®-620

(formerly MSeal 620)

RUBBERIZED BITUMINOUS WATERPROOFING EMULSION

DESCRIPTION

Sika® Igoflex®-620 is a brown rubber/bitumen liquid emulsion with excellent adhesion which dries to a tough black seamless, flexible dampproof and vapour-proof membrane.

Suitable for tropical and hot climatic conditions.

USES

- Damp-proofing structures: to provide an impervious damp-proof membrane on concrete and brick.
- Floors: to provide a sandwich membrane in new construction or a surface treatment.
- Walls: for interior and exterior walls.
- Roofs: for the maintenance of many types of roofs including built-up felt, asphalt, lead, zinc, aluminium, concrete, lightweight screeds, timber, slate, asbestos cement, corrugated iron, and as a vapour barrier.
- As an adhesive: for bonding wood blocks and wood mosaics, insulation board, expanded polystyrene and cork tiles and to provide a key for plastering.

CHARACTERISTICS / ADVANTAGES

- High rubber content ~10 %
- Excellent adhesion to most building substrates
- Reduced chloride penetration
- 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

APPROVALS / CERTIFICATES

Fire Classification - BS EN ISO 11925 Part 2 / BS EN 13501 Part 1:2007 + A1:2009.

PRODUCT INFORMATION

Composition	Sika® Igoflex®-620 is a thixotropic cold applied bitumen emulsion with added rubber latex ~10%
Packaging	200 L drums
Shelf life	12 months minimum from production date when stored properly in original, unopened, sealed containers.
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.
Colour	Dark brown
Density	~1 kg/l (at 23°C)
Flash point	Non flammable

APPLICATION INFORMATION

Consumption	Typically, a coverage rate of 1.5 - 2 m ² / litre / coat (minimum 2 coats required) dependent on substrate, porosity, texture and desired application. Please contact Sika Technical Department for further information.
Substrate temperature	+5°C to 55°C
Waiting time to overcoating	6-8 hours per coat
Drying time	<ul style="list-style-type: none">▪ Sika® Igoalflex®-620 will take longer to dry sufficiently for over-coating in low temperatures and high humidity.▪ Provisions of good ventilation will significantly reduce drying time.▪ Sika® Igoalflex®-620 should allowed to dry for 3-5 days.

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.
- Internal Reference - Version: MBS_CC-UAE/SI_620_04_95/v4/05_16

FURTHER INFORMATION

BELOW GROUND PROTECTION

Sika® Igoalflex®-620 may be applied to green concrete immediately after shuttering has been removed. Blind the first coat with clean sharp sand to afford higher dry film thickness and aid monitoring layer applications.

SANDWICH MEMBRANE

Two coats to be applied at right angles, blind second coat with clean sharp sand to provide a mechanical key for top screed (minimum thickness 50 mm). Sika® Igoalflex®-620 membrane should marry up with D.P.C. (where applicable).

WALLS WITH DAMPNES

Remove any coatings and plaster back to the blockwork. Apply three coats of Sika® Igoalflex®-620 blinding the final layer with clean sharp sand whilst still tacky. Replaster using a render modified with SikaLatex®-141.

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

All surfaces must be sound, even, free from dust, loose particles and any contamination. May be applied to damp but not waterlogged surfaces.

Hot and very dry, porous concrete surfaces must be primed by diluting Sika® Igoalflex®-620 with clean water at 1 : 1 ratio (by weight).

When used as protective coating, all pinholes, cavities, cracks etc. in the substrate must be filled with a suitable Sika® repair mortar.

APPLICATION

If a primer coat is applied, allow it to dry before applying subsequent coats.

Apply evenly and in one direction using a brush or roller. A two-coat application is recommended to avoid possible pinholes in the membrane.

Each coat must be allowed to dry before applying the next one.

Protect freshly applied product from rain until it is fully cured.

CLEANING OF EQUIPMENT

Before Sika® Igoalflex®-620 has dried, clean tools using soapy water. If dried, remove by scraping and with paraffin or white spirit.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

Sika Kenya Limited

Mudher Industrial Complex, Mombasa
Road
P.O Box 38645 - 00623 Nairobi, Kenya
Mobile: +254 711 140234 / +254 786
140234
Web: ken.sika.com

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