

PRODUCT DATA SHEET

Sika® Igoflex®-618

(formerly MSeal 618)

Non-fibrated bitumen emulsion

DESCRIPTION

Sika® Igoflex®-618 is a brown-black bitumen liquid emulsion with excellent adhesion, which dries to a tough, seamless, waterproof and protective coating for concrete structures and steel elements. Suitable for use in tropical and hot climatic conditions.

USES

- Protection and damp-proofing of concrete, asbestos cement sheets, roofing felts, wood.
- Protection of steel work, pipes and metal.

FEATURES

- Vapour permeable allows substrate to breathe
- Reduced chloride penetration due to hard impermeable surfaces
- Simple and easy to use, no skilled labour required
- Single component, use as supplied
- Cold applied, no heating required. Non-slumping
- Easy application due to paintable consistency, suitable for new and old concrete

CERTIFICATES AND TEST REPORTS

- ASTM D2939

PRODUCT INFORMATION

Composition	Bitumen emulsion coating with 5 % rubber content.
Packaging	20 L and 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	~1.1 kg/l (at 25°C)
Solid content by volume	35 % (± 2 %)

APPLICATION INFORMATION

Consumption	Typically, a coverage rate of 3 - 5 m ² / litre / coat (minimum 2 coats required). Coverage rates may vary according to the density, porosity and texture of the concrete to be treated.
Substrate temperature	+5°C to +55°C
Tack free time	2 - 3 hours
Drying time	6 - 8 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.
- Internal Reference - Version: MBS_CC-UAE/SI_618_04_15

IMPORTANT CONSIDERATIONS

- Sika® Igoflex®-618 may be applied to damp but not wet surfaces.
- During hot, dry weather, application may be assisted by dampening the surfaces to be treated.

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.

SUBSTRATE PREPARATION

All surfaces must be sound, even, free from dust, loose particles and any contamination.
Hot and very dry, porous concrete surfaces must be primed by diluting Sika® Igoflex®-618 with clean water at 1:1 ratio (by weight).

APPLICATION

- Sika® Igoflex®-618 must be stirred well before use.
- Where a single drum is used for prolonged periods, occasional stirring during application is recommended.
- Apply evenly and in one direction using a stiff brush.
- A minimum two-coat application is recommended to avoid possible gaps in the film.
- Each coat must be allowed to dry before applying the next one at right angles to the first.

CLEANING OF EQUIPMENT

Clean all equipment and tools with water immediately after use.

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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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.



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