

Igolflex®-R

Flexible rubber / bitumen emulsion coating

Construction

Product Description

Igolflex-R is a solvent free, flexible thick film coating based on rubber bitumen emulsion with a pasty consistency. When applied to concrete surfaces, Igolflex-R provides protection against the penetration of salty ground water and soil acids.

Uses

Igolflex-R is used as a flexible external protective coating and vapour barrier for:

- Earth covered roofs
- Retaining walls
- Basements
- Swimming pools
- Settlement tanks

Characteristics / Advantages

Igolflex-R is suitable for use on both dry and damp surfaces. Other benefits include:

- Easy to apply
- Ready-to-use, no mixing or heating
- Non-sag on vertical surfaces
- Good weather resistance and ageing properties
- Bridges shrinkage and hair-line cracks
- Flexible, permanently plasto-elastic, even at low temperatures
- Odourless and fungus resistant
- Good resistance to soil acids and salts

Product Data

Form

Appearance / Colour Black viscous liquid

Packaging 20 kg pails and 200 kg drums

Storage

Storage Conditions / Shelf Life 9 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.



Technical Data

Chemical Base Bitumen

Density ~ 1.0 kg per litre

Heat Resistance After 2 hours at 100°C, no sagging, slipping or blistering.

System Information

Typical System Built-Up (roof areas)

Priming Coat	Igolflex®-R 1:1 with clean water	~ 0.35 kg / m ² (including water)
1st Coat	Igolflex®-R undiluted	~ 0.70 kg / m ²
Reinforcement	Fiberglass matt (75 gm/m ²)	
2nd Coat	Igolflex®-R undiluted	~ 0.70 kg / m ²
3rd Coat	Igolflex®-R undiluted	~ 0.70 kg / m ²

Application Details

Coverage 0.6 - 0.8 kg/m² per coat applied in 2 - 3 coats, depending on type of structure and degree of protection required.

For certain applications, such as large roof areas, mesh reinforcement may be necessary (built-up system).

Substrate Quality The substrate must be clean, dry and free of all contamination such as dirt, oil, grease, coatings, etc. which hinder an adhesion. The substrate must be sound and of sufficient strength. If in doubt, apply a test area first.

Substrate Preparation / Priming

- New concrete, screed or render should have a brushed or wood float finish, and should be free from contamination by any material that could impair adhesion. All surface defects should be repaired by approved methods. Protrusions greater than 3 mm should be removed.
- Existing concrete, screed or render should be well prepared to provide a dense, defect free substrate.
- Concrete surfaces should be mat-moist and free from standing water.
- Brickwork, blockwork and masonry should be flush pointed.
- All intersections of horizontal and vertical surfaces should be profiled with a mortar fillet of 25 x 25 mm.

Application Conditions / Limitations

Application Temperature +8°C min. / +35°C max.

Service Temperature -30°C min. / +50°C max.

Application Instructions

Mixing Mechanical mixing is **not** required. Product should be manually stirred with a plastic spatula.

Application Method / Tools Igolflex-R is applied using a wide nylon brush, sheepskin disposable rollers or by spraying*. The product should be applied in 2 or 3 equal coats of 0.6 – 0.8 kg per m² (depending on application requirements), allowing each coat to dry fully before the next coat is applied. Subsequent coats should be applied at right angles to the previous coat. The product must not be applied in wet conditions or exposed to water until dry. Waiting time between coats is 6 – 12 hours depending on drying conditions.

* *Spray using a high-pressure spray gun with feed pressure 4 atm g, atomizer pressure 5 atm g and nozzle size 6 mm.*

The waterproofing system should be allowed to cure for at least 72 hours prior to overlaying with screed. For large areas, a polythene sheet should be placed to isolate the screed from the membrane.

Day Joints At day joints, the liquid membrane should overlap the existing cured membrane by at least 100 mm. If the lapping joint is dirty or contaminated, clean using an approved solvent.

Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

Drying Time	Tack free	½ – 1 hour
	Overcoating	6 – 12 hours
	Final cure	2 – 4 days (depending on climate and coat thickness)

Value Base 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

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet (available upon request) containing physical, ecological, toxicological and other safety-related data.

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