

IDROGUM

Waterproofing resin liquid membrane



Description

Waterproofing liquid membrane, in various colors, pigmented with modified acrylic copolymers, dispersed in water.

IDROGUM reduces problems of carbonation of concrete.

After drying the product forms an elastic resistant film which perfectly adheres to the applied surfaces, resistant to atmospheric agents and eventual micro fissures which can form on the surface.

Areas of application

IDROGUM is particularly suitable to coat and waterproof concrete roofs.

It is used to waterproof terraces with concrete floors, bitumen coatings and polymer bitumen membranes.

When waterproofing terraces in concrete in those situations where polymer bitumen membranes cannot be used, IDROGUM is applied before gluing down the ceramic tiles.

The product can also be used on fiber cement and wood.

Packaging

Pail size	Pails per pallet
1 kg	320
5 kg	125
10 kg	64
20 kg	42

We reserve the rights to change or modify the nominal values without prior notice or advice. The information contained in this data sheet are based on our experience. We cannot take any responsibility for a possible incorrect use of the products. The customer has to choose under their own responsibility a product fit for the intended use.

Chemical composition

Acrylic modified elastomeric copolymers dispersed in water, inert fillers, colored pigments, thickeners and various additives.

Use of product

Properly mix before use.

It is recommended to apply the product at temperatures above +10°C and to avoid application when rain or frost is imminent, and in any case avoiding extreme weather conditions of hot or cold, even during the drying period of the paint.

Before application make sure that the surfaces are clean and that they allow a proper drainage of water.

Avoid use on those with a low slope or which have obvious problems of ponding water as the product will soften jeopardizing adhesion.

Pre-treat the surfaces using IDROGUM as a primer diluted with 15-20% of water.

The application must foresee at least two coats to provide a uniform coloration of the waterproofing layer, using totally approx. 2 kg/m² of IDROGUM depending on the nature and level of porosity of the substrate and the desired thickness.

The product can be applied by brush, broom, roller and spray; the first coat of IDROGUM can be diluted by 10% with clean water; the second coat requires an inferior dilution (max 5%) and must be applied only after the first coat is completely dry (min. 24 hours).

Technical data

Technical characteristics	Value
Density at +20°C in g/ml	1,35 ÷ 1,45
Colors	Grey / Red / Green / White
Dry residue (%)	60 ÷ 70
Brookfield viscosity (cps)	6000 ÷ 12000
Flammability point (°C)	Not flammable
pH	7 ÷ 9
Application conditions	
Air temperature (T, °C)	+10 ÷ +35
Relative air humidity (%)	10 ÷ 85
Surface temperature (T, °C)	+10 ÷ +35
Surface humidity (%)	≤ 4
Yield for dry product kg/m ²	approx. 0,5 mm

IDROGUM can be reinforced between the first and second coat with a polyester mat (ARMO 100), increasing the mechanical characteristics of the product.

It is recommended to avoid applying the product on new bituminous surfaces which might still release residues and cause adherence problems between the product and the membrane.

We therefore suggest to wait a 4-5 months after the application of the new bituminous membrane to allow for any residues to be completely eliminated; in any case wash the surface with clean water using a broom to make sure that the surface is clean.

The product is not suitable to be applied on polymer bitumen membranes applied over insulation; on the other hand, it is suitable for application with ARMO 100 non-woven fabric reinforcement, in cases where its use is foreseen.

IDROGUM cannot be considered a walkable coating, and should be walked upon with care only during roof maintenance or inspections.

Store the product in its original pail, sealed and at temperatures between +5°C and +35°C, protected from direct sun light and frost.

Does not withstand frost: once exposed the material is no longer suitable for application.

After use, clean all tools with water, should the product be dry, it is suggested to remove with white spirit or hot water.