



Description

One- Component, Polyurethane Based, Flexible, Single component, air curing waterproofing material.

Areas of Usage

- Waterproofing of roofs, balconies and terraces, concrete walls.
- Waterproofing of wet areas (under ceramic tiles) such as bathroom, swimming pool, and kitchen.
- Sewage and water treatment plants and tanks
- Protecting polyurethane foam insulation.
- Waterproofing of flowerbeds and planting pots.
- Waterproofing of water reservoir and distribution channels.
- Waterproofing and protection of concrete structures such as bridges and tunnels.
- Waterproofing of metal surfaces.
- Park garage ceiling Waterproofing and siding.

Features of Product

- It is UV high resistant.
- Once it is applied, it creates a one piece membrane that does not allow any joints or possibilities of leakage.
- It can be in continuous contact with water since it is pure polyurethane.
- It keeps its mechanical properties in temperatures between -30°C and +90°C.
- It covers up to 2 mm cracks even in -10°C.
- It completely adheres to the surface without any additional adhesion process.
- It is possible to walk on the surface with Waterproofing application.

Application Procedure

Surface Preparation Make sure the surface is clean, dry and solid and any dirt that could affect the adherence of the membrane is removed. Maximum moisture content should not be above 5%. The new concrete structure should dry out for at least 28 days. The old sidings, dirt, oils, organic materials and dust should be cleaned with mechanical grinding. It is important to remove possible imperfections on the surface. Any kind of loose surface part and the dust of the grinding process should be removed carefully.

Warning: Do not wash the surface with water.

Application Method

Priming: The application surface should be primed with DRYLEX PRIMER PU.

Waterproofing Membrane Mix well before using, pour on the primed surface and spread with a roller or brush until the whole surface is covered. After 12 hours (within 36 hours maximum) another layer of DRYLEX PUR RESIN 1K should be applied. If needed, a third layer of DRYLEX PUR RESIN 1K may be applied too. It should be applied in average of 1,4–2,0 kg/m² in two or three layers. This amount of application should be done with a roller and airless spray, under proper conditions on a flat surface. DRYLEX PUR RESIN 1K should not be used more than 0,7 mm (dry layer) of thickness per each layer.

Consumption

In average 1,4–2,0 kg/m² for 2-3 layers

TECHNICAL SPECIFICATIONS

Specifications	Results
Structure	Polyurethane high strength pre-polymer
Expansion in Breaking Point	700% ± 80



Tensile Strength	7,45 ± 0.30 N/mm ²
Water Vapor Proofing	25,8 ± 4,4 gr/m ² /days
Resistance to Water Pressure	Leak-free (1m water column, 24 hours)
Adherence on Concrete Surface	2,2 ± 0,2 N/mm ²
Hardness (Shore A Degree)	65 ± 5
Flash Point	B2
Spark Resistance and Heat Dissipation	Passed
Application Temperature	5°C - 35°C
Adhesion within	4 hours
Light Use	12 hours
Starting Regular Use	4 days
Chemical Properties	Highly resistant to acidic and alkaline solutions (10%), detergents, sea water, oils and lubricants.

Packaging

Tin bucket of 20 kg.

Storage

The material should be kept away from humidity and sunlight

Storage temperature should be between 5°C and 30°C.

Shelf Life

It can be stored in cool and dry places in its original packaging for 24 months. The product should be used once the package is opened.