

eile PUR 012

One- Component, Polyurethane Based, Flexible, Waterproofing Material

Description

Single component, polyurethane based, flexible, 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.
- *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 light 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 **eile PUR 710**.

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 **eile PUR 012** should be applied. If needed, a third layer of **eile PUR 012** 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. **eile PUR 012** 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	900% ± 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	7 days
Chemical Properties	Highly resistant to acidic and alkaline solutions (10%), detergents, sea water, oils and lubricants.

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Packaging

Tin bucket of 25 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 9 months. The product should be used once the package is opened.

Safety Recommendations: Please wear the coveralls, protective gloves, glasses and mask suitable for occupational health and safety. Make sure that it does not contact the skin and the eyes; in case it does, wash with plenty of water. In case swallowed, contact the closest health care institution immediately. Keep out of the reach of children. Keep food and drinks away from the application areas.

Responsibility: In case the recommendations and application conditions specified above are not conformed, the applications (misuse) do not fall under the responsibility of **POMZA EXPORT A.Ş., the producer of eile POMEX branded products.** The user is responsible for whether the product is used in accordance with its purpose, as well as the validity of application conditions and forms. **eile Pomex Construction Chemicals** does not accept any indemnity claim concerning the results, work accidents, direct or indirect damages or losses due to the misapplication of the products.

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