

PU-SHIELD 1K

It is a single component, polyurethane based liquid material. It is easy to apply. It is an economical waterproofing system that offers simple solutions. It forms a highly elastic film by adhering strongly to all kinds of surfaces.

ADVANTAGES

It has excellent mechanical properties.

It exhibits effective resistance to chemicals.

It does not contain toxic substances after curing.

It is effective in water vapor permeability: Since the film breathes, moisture accumulation does not occur under the floor.

It has UV resistance.

Thermal resistance is excellent, the product never softens. The maximum service temperature is 90 °C and the maximum shock temperature is 200 °C.

Resistant to cold: The film maintains its elasticity down to -40°C.

WARNINGS AND RECOMMENDATIONS

Flammable, products should be kept away during application. There should be no smoking. Care should be taken to ensure constant ventilation of the application area. Protective equipment such as glasses and gloves should be used during application. In case of eye contact, wash thoroughly with plenty of water. For detailed information, please request the Material Safety Data Sheet. It should be kept out of reach of children. The product should be consumed by professional users, taking into account the data in the technical information section.

STORAGE

Packaging	5 kg and 25 kg
Colour	White, Grey
Shelf Life	It should be stored between 5-35 °C in sealed packages away from direct sunlight. The mouth of the containers must be kept closed when not in use. It should be protected from frost. Shelf life 12 Months.

CONSUMPTION

First floor: 0.75-0.9 kg/m²

Second layer: 0.75-0.9 kg/m²

Minimum total consumption: 1.5-1.8 kg/m²

APPLICATION FEATURES

The surfaces to be applied must be solid. The surface must have a compressive strength of 25N/mm² and a strength of at least 1.5 N/mm² for adhesion testing. Loose, dismantled or moving concrete particles on the surface, oil and paint residues, cement grout residues should be removed from factors that will affect adhesion performance. Apply the material in at least two layers with a roller or brush. Wait 6-24 hours between coats.

SCOPE OF APPLICATION

It can be used on plaster and cement panels and tiles/tiles with a suitable primer.

As the main waterproofing membrane in the waterproofing systems of bathrooms, roofs, light roofs made of metal or fiber cement, asphalt membranes, and car parks,

Used in stadium tribunes.

All technical information stated in this product data sheet is based on laboratory tests. Actual values may vary due to circumstances beyond our control.

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TECHNICAL SPECIFICATIONS AND PERFORMANCE VALUES

Colour	White, Grey
Intensity	1,37-1,42 g/cm ²
Hardness	65 Shore A
Viscosity (Mixture)	2500-3500 cP
Water Vapor Permeability	0,8 gr/m ² saat
Breaking Strength	>5 (N/mm') (+23°C)
Elongation Percentage	.2.: %500
Drying Percentage	6-8 Hours
Recoating	4-6 Hours
Chemical Curing	12-24 Hours
Adhesion to Concrete	>2,5 (N/mm ²)

Quv Accelerated Air Degradation Test

(4 hours UV at 60°C (UVBLamps) and 4 hours UV at 50°C) Passed

The technical specifications written above were written according to the test results performed under 23-c and 50% relative humidity conditions. Values may vary under different temperature and humidity conditions.

SAFETY PRECAUTIONS

During use and storage, appropriate work clothes, glasses, gloves and masks should be used for worker health and safety. Eye, mouth and skin contact should be avoided. The contacted area should be washed with plenty of water. In more dangerous situations or if the product is swallowed, a specialist doctor should be consulted immediately. Food and drink should not be allowed into application areas. It should be kept out of reach of children. For detailed information, the Safety Data Sheet (SDS) should be consulted.

LEGAL WARNING

If this product is used for any purpose other than its intended use, or if the above instructions and conditions are not followed, any problems or damages that occur will be the responsibility of the user. Green streak construction chemicals will not be held responsible in such cases.

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