

Flexible Water Insulation Product



Product Description

It is a two – component, solvent – free, Polyurethane - based water insulation material.

Product Features and Advantages

It makes insulation in a single piece which excludes the possibility of leakage or any junction point when it is applied. As it is pure Polyurethane, it can regularly be in contact with water. It preserves its mechanical properties in temperatures between – 30 °C and + 90°C. It closes cracks up to 2 mm even in – 10 °C. It provides permeability against water vapor. It fully adheres to the surface without a need for any additional merge process. It is allowed to walk on the surface which is applied water insulation. Even the water insulation material is damaged; the damaged part can be easily repaired within a few moments. It has a resistance of plant roots. As the product has antibacterial feature, there is no bacteria on the product. It has high resistance to acidic and basic solutions (10%), detergents, sea water, oils and lubricants.

Storage and Shelf Life

It can be stored in tin buckets, dry and cold rooms up to 9 months. The material must be protected from moisture and sunlight. Storage temperature: must be between 5°C and 30°C. Products must be protected in an original tin buckets bearing the name of manufacturer, product description, party number and the labels of Application warnings without being opened.

Application and Warnings

Source material being 4 ratios and hardening materials being 1 ratio, it can be made ready for the application being mixed with a clean stick or an electric mixer for max. 2 -3 minutes. Application can be implemented with a brush, roller or airless spray optionally. The application must be completed within 35 minutes in hot conditions (summer) above 25 °C and within 50 minutes in cold conditions (winter). If it will be used on walls or in water tanks, it is applied on plaster by cleaning the existing paint near the removal and other substances. It must not be wetted, not walk on it and protected for 24 hours.

Technical Specifications

Color	White – Grey – Blue – Cream colored – Transparent
Brightness	Bright or mat (optional)
Binding agent	Polyurethane resin
Density	Source m. 1,25 / S. 1,22 gr/ml
Mixing ratio	4/1 kg weight
Application time	45 min. in temperature of -2 C/ + 25 °C
Solidification	45 min. in temperature of -2 C/ + 40 °C
Heat resistance	- 40 °C / + 220 °C
Drying time	2 hours (complete dry 48 hours)
Environmental compliance	It doesn't have any adverse environmental impact.
Health suitability	It is not harmful for health.
Bending strength	45 kg/ cm2 (DIN 53452)
Tensile strength	30 kg/ cm2 (DIN 53455)
UV	Resistant

Consumption

Surface	Consumption m2/ gr.
Concrete	0,300 gr.
Metal	0,185 gr.
Wood, fiber cement etc.	0,200 gr.

Areas of Application

Especially, in water reservoirs in indoor and outdoor areas. Insulation of water reservoirs. In screen curtains of roof, terrace and balconies. Water insulation of bath room, swimming pool, kitchen and other similar wet areas (under tiles). Water insulation of flower fields and planting boxes.

