POLYWAP İZ K 5003 UV

E-CATALOG

ACRYLIC POLYMER BASED, UV RESISTANT, SINGLE COMPONENT, WATER BASED LIQUID WATERPROOFING MEMBRANE



DESCRIPTION FOR IT

Acrylic polymer emulsion based, super elastomeric, uv resistant, single component, water based, liquid waterproofing membrane.

AREAS OF USE

It is used in the exterior of buildings, especially in large, detailed flat and sloping roofs, terraces, outdoor kitchens, balconies, pools, and similar wet areas for waterproofing under ceramic tiles. It is also used in the waterproofing of mineral surfaces such as concrete, plaster, and screed, and as a waterproofing material under paints and coatings. Betopan can be applied for insulation purposes on the exterior facades of wooden clad container type structures. It is used in the repair and surface coating of old and faded mineral surfaced shingles and bituminous membranes. In horizontal applications, when applied together with reinforcements such as fiberglass and polyester felt, it provides long lasting waterproofing against high pressure water.

APPLICATION SURFACES

Suitable for application on mineral surfaces such as concrete, stone, plaster, and screed in both indoor and outdoor environments.

ADVANTAGES

Ready to use, can be colored. High uv resistance. With its super elastomeric structure, it has high resistance to temperature differences, light pedestrian traffic and water pooling. It can be applied to all mineral surfaces and has very high adhesion strength. It forms a seamless insulation layer. It can be applied very easily and quickly with an insulation pump. It can be painted with acrylic paint and covered with ceramics.

APPLICATION CONDITIONS

Application should not be done in very hot or very humid weather. The ambient temperature for application should be between +5°C and +30°C. It should not be applied to melting, frozen surfaces or surfaces where there is a risk of freezing within 24 hours. Dusty old mineral surfaces should be repaired before application.

TOOLS USED

Insulation pump, brush, roller, trowel, and spatula.

SURFACE PREPARATION

If the surface to be applied is new, it must be free from residues such as cement residue and loose particles, and free from adhesion inhibiting oil, dirt, rust,moss and dust; it must be clean, smooth, sound and not exposed to frost. Inner corners should be beveled with WAP TH – 602 repair mortar, and outer corners should be rounded by mechanical means. The surfaces to be applied should be primed with POLYWAP İZ K 5003 UV diluted at a ratio of 1/3 (polywapiz k 5003 uv liquid/water). For perforated, damaged or porous surfaces,a scraping coat should be applied with POLYWAP İZ K 5003 UV using a spatula or trowel to smooth the surface and prevent air bubble formation. Old or dusty surfaces should be repaired and hardened with our POLYWAP İZK 6000 repair and impregnation product.

APPLICATION

Polywap iz k 5003 UV should be opened and mixed with a low speed mixer for at least 1-2 minutes until a homogeneous consistency is achieved. It should be applied to the entire surface in 2 coats using a brush or insulation pump. The total application thickness should be determined according to the consumption table ratios based on the water pressure it will be exposed to. The second coat should be applied after the first coat application has completely dried. In areas exposed to temporary and continuous water pressure, in order to achieve an application thickness of 2 mm, a glass fiber reinforcement mesh with a maximum weight of 100 g/m2 should be glued to the entire surface before the first coat application dries, and the second coat application should be started after it has dried. The second coat application should be done in such a way as to completely cover the mesh.

CONSUMPTION TABLE

Area of application	Minimum application thickness (dry film)	Minimum consumption
Floor insulation that prevents water accumulation.	2 mm	1,5 – 2,0 kg/m²
Temporary water-resistant insulation.	2 mm (with fiberglass reinforcement mesh)	2,0 – 2,5 kg/m²

TOOL CLEANING

All tools should be washed with water immediately after use, before they dry.

PACKAGING

3 kg. – 10 kg. – 15 kg. Plastic bucket

STORAGE AND SHELF LIFE

In dry, moisture free environments away from sunlight, provided the packaging is undamaged and unopened, the product has a shelf life of 12 months from the production date. Packaging must be protected from frost and heat. Two pallets should not be stacked on top of each other during transport and storage.

STANDARD

TS EN 1504-2

TECHNICAL TABLE

İZ K 5003 UV	TECHNICAL INFORMATION
THE ESSENCE	Elastomeric acrylic polymer
COLOUR	White
FORM	Thick liquid
INTENSITY	Average 1.30 kg/lt.
WAITING TIME BETWEEN FLOORS	Minimum 6 hours
TERM OF INSTITUTION	Minimum 48 hours
TIME TO BECOME WATERPROOF	7 days
TIME TO GAIN MECHANİCAL STRENGTH	7 days