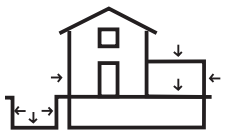
POLYWAP İZ K 5000 TECHNICAL SPECIFICATIONS

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

DESCRIPTION FOR IT
A single component, water based, liquid waterproofing membrane based on elastomeric acrylic polymer emulsion.

AREAS OF USE
It is used in the interior and exterior of buildings, especially in the waterproofing of wet areas such as kitchens, bathrooms, balconies, and 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 on exterior facades. When applied horizontally together with reinforcements such as fiberglass, polyester felt, etc., 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. Its elastomeric structure provides high resistance to temperature variations, 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.

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 5000 diluted at a ratio of 1/3 (polywap İZ K 5000 liquid/water). For perforated, damaged or porous surfaces, a scraping coat of POLYWAP İZ K 5000 should be applied with a spatula or trowel to level 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 5000 should be opened from the packaging 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 has completely dried. In areas exposed to temporary and continuous water pressure, in order to achieve an application thickness of 2 mm, a fiberglass reinforcement mesh with a maximum weight of 100 g/m2 should be glued to the entire surface before the first coat dries and applied after it dries. The second coat should be applied 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 14891

TECHNICAL TABLE

İZ K 5000	TECHNICAL INFORMATION
THE ESSENCE	Elastomeric acrylic polymer
COLOUR	White and Gray
FORM	Thick liquid
INTENSITY	Average 1.50 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

WARNINGS AND RECOMMENDATIONS

Not suitable for metal surfaces. Water should absolutely not be added to the mixture. In applications using an insulation pump, the machine and its installation must be cleaned immediately after application. Surfaces treated with Polywap İz K 5000 must be covered and protected from external conditions within a maximum of 3 days. After the drying period, it should be covered with a suitable material. For applications on terraces, a thermal insulation layer should be applied over the waterproofing layer.

SAFETY WARNINGS

Always use appropriate safety equipment such as masks, gloves, and goggles. Protect your eyes and face. Avoid contact with eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and consult a specialist. For detailed safety information, read the Material Safety Data Sheet.

LEGAL DISCLAIMER

İZOFALT Insulation Construction Textile Ind. And Trade Ltd. Co. İs not responsible for application errors that may occur if the product is used for purposes other than intended or if the above conditions are not complied with.