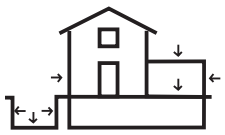
Date of revision: June 26 2026
Revision number: 003

POLYWAP İZ K 5001 ELYAFLI TECHNICAL SPECIFICATIONS

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

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

AREAS OF USE
It is used in the interior and exterior of buildings, especially in wet areas such as kitchens, bathrooms, balconies, and 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 on exterior facades.
During application, no reinforcement is needed due to its fiber reinforcement.



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 and covered with ceramic tiles.

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 from oil, dirt, rust, moss and dust that would prevent adhesion; 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 5001 FIBER liquid diluted at a ratio of 1/3 (polywap iz k 5001 fiber liquid/water). For porous, damaged or porous surfaces, a scraping coat should be applied with POLYWAP İZ K 5001 FIBER using a spatula ortrowel 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 5001 fiber-based insulation 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 subjected to. The second coat should be applied after the first coat has completely dried 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	1,7 – 2,2 kg/m²
Temporary water-resistant insulation.	2,5 mm	2,5 – 3,0 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 5001 FIBER	TECHNICAL INFORMATION
THE ESSENCE	Elastomeric acrylic polymer fiber
COLOUR	White and Gray
FORM	Thick liquid
INTENSITY	Average 1.55 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. Polywap İZ K 5001 fiber-reinforced surfaces 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.