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POLYWAP ULTRA ELAST 2K UV TECHNICAL SPECIFICATIONS

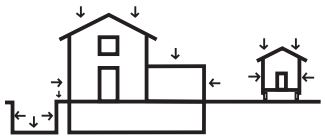
ELASTOMERIC ACRYLIC POLYMER AND SPECIAL CEMENT BASED, UV RESISTANT, TWO COMPONENT, LIQUID WATERPROOFING MEMBRANE

DESCRIPTION FOR IT

It is a new generation, ultra elastomeric, two component liquid waterproofing membrane based on elastomeric acrylic polymer emulsion and special cement; it is uv resistant.

AREAS OF USE

It is used as a positive and negative waterproofing material on the exteriors of all structures particularly terraces and facades as well as under ceramic tiles on balconies and similar wet areas, over existing ceramic coatings treated with a specialized ceramic primer, and in swimming pools, water tanks, water channels, and the production of prefabricated structures and container homes.



APPLICATION SURFACES

It is suitable for application on horizontal and vertical exterior areas, including mineral surfaces such as concrete, stone, plaster, screed, and raw concrete; on existing ceramic surfaces treated with a ceramic primer; and on all absorbent wooden surfaces.

ADVANTAGES

Provides trouble free waterproofing for many years and features self renewing properties. High uv resistance. Can be applied to all mineral and absorbent wooden surfaces; ultra elastic structure and very high adhesion strength. Can be painted over with all water based paints. Suitable for both positive and negative side applications. Easy, convenient, and improved application characteristics. Allows for a quick transition to ceramic tiling. Safe for use over existing ceramic coatings treated with a specialized ceramic primer.

APPLICATION CONDITIONS

Application should not be performed in very hot or very humid weather. The ambient temperature during application must be between +5°C and +30°C. It should not be applied to melting or frozen surfaces, or to surfaces at risk of freezing within 24 hours. Dusty or crumbling old mineral surfaces must be repaired (using Polywap İZ K 6000) prior to application.

TOOLS USED

Hand mixer, waterproofing pump, brush, roller, trowel.

SURFACE PREPARATION

If the surface to be treated is new, it must be clean, smooth, sound, and frost-free; it must be cleared of residues such as cement remnants and loose particles, as well as substances that impair adhesion such as oil, dirt, rust, algae, and dust. Internal corners should be beveled using WAP TH-602 repair mortar, while external corners should be rounded off by grinding them down mechanically. On surfaces that are pitted, damaged, or porous, a skim coat of the mixed POLYWAP ULTRA ELAST 2K UV should be applied using a spatula or trowel to level the surface and prevent air bubble formation. Old or dusting surfaces must be repaired and hardened using our POLYWAP İZK 6000 repair and impregnation product.

PRIMING

Once surface preparation is complete and the surface has dried, the liquid component of POLYWAP ULTRA ELAST 2K UV should be diluted by mixing it with water at a 1:4 ratio (POLYWAP ULTRA ELAST 2K UV liquid component to water). The surface should then be primed by applying the mixture until saturated, ensuring no pooling occurs.

APPLICATION

For each coat of Polywap Ultra Elast 2K UV, the 4 kg powder component should be slowly added to the 12 kg liquid component and mixed using a low speed mixer for approximately 2-3 minutes until a homogeneous consistency is achieved. The mixture should be allowed to rest for 2 minutes and then mixed again prior to application. Polywap Ultra Elast 2K UV should be applied to the entire surface in at least two coats using an insulation pump, brush, roller, or trowel. Each coat must be applied in a direction perpendicular to the previous one. A waiting period of at least 24 hours is required between coats.

CONSUMPTION TABLE

Application areas	Minimum application thickness (dry film)	Minimum consumption
Wet areas and swimming pools	2,0 mm	2,5 kg/m²
Temporary water insulation against pressurized water (accumulated groundwater)	2,0 mm	2,5 kg/m²
Permanent water insulation against pressurized water (groundwater)	2,5 mm	3,1 kg/m²

TOOL CLEANING

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

PACKAGING

16 kg set (12 kg liquid + 4 kg powder)

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

ULTRA ELAST 2K UV	TECHNICAL INFORMATION
THE ESSENCE	Elastomeric polymer-Special cement
LIQUID COMPONENT	Elastomeric polymer emulsion
POWDER COMPONENT	Mineral-based special cement
FORM	Dark Thick liquid
MIXTURE DENSITY	Average 1.10 kg/lt
USAGE PERIOD	Max. 60 minutes
TERM OF INSTITUTION	Minimum 24 hours
COLOUR	White

WARNINGS AND RECOMMENDATIONS

When mixing the product, only its own liquid component should be used excluding the primer and absolutely no water should be added. Surfaces where the product has been applied must be protected from direct sunlight, air currents, and frost for a period of 3 days. Installation of ceramic tiles or similar coverings should not commence until at least one day has passed since the application.

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.