POLYWAP ULTRA ELAST 2K E-CATALOG

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



DESCRIPTION FOR IT

It is a new generation, ultra elastomeric, liquid waterproofing membrane based on an elastomeric acrylic polymer emulsion and special cement; it consists of two components.

AREAS OF USE

It is used as a positive and negative waterproofing material in the interior and exterior areas of all structures particularly on foundations, basements, curtain walls, and terraces. It is also suitable for use under ceramic tiles in wet areas (such as balconies, bathrooms, toilets, and kitchens), on existing ceramic coatings treated with a 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 interior and exterior surfaces, including mineral surfaces (concrete, stone, plaster, screed, raw concrete), existing ceramic surfaces treated with a ceramic primer, and all absorbent wooden surfaces

ADVANTAGES

Provides trouble free waterproofing for many years and possesses self renewing properties. Can be applied to all mineral and absorbent wooden surfaces; features an 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. Offers easy, convenient, and improved application characteristics. Allows for a quick transition to ceramic tile installation. Safe for use on existing ceramic coatings treated with a 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. Do not apply to surfaces that are thawing, frozen, or at risk of freezing within 24 hours. Old mineral surfaces that are dusting/crumbling must be repaired (using POLYWAP İZK 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 free from frost, as well as clear of residues (such as cement traces), loose particles, and bond inhibiting substances like oil, dirt, rust, moss, and dust. Internal corners should be beveled using WAP TH-602 repair mortar, while external corners should be rounded off by mechanical grinding. On pitted, damaged, or porous surfaces, a skim coat of the mixed POLYWAP ULTRA ELAST 2K 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 should be diluted by mixing it with water at a 1/4 ratio (POLYWAP ULTRA ELAST 2K liquid component to water). The surface should then be primed by applying this mixture until saturated, ensuring no pooling occurs.

APPLICATION

For each coat of Polywap Ultra Elast 2K, 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 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	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	Gray