# POLYWAP ULTRA ELAST 2K GARDEN E-CATALOG

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




### DESCRIPTION FOR IT

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

### AREAS OF USE

It is used in the horizontal and vertical areas of the interior and exterior spaces of all structures, especially above underground parking lots and in the ground waterproofing of green roof terraces. It is used in underground applications such as pile foundations, normal foundations, basements, and retaining walls, on open terraces, under ceramic tiles in wet areas such as balconies, bathrooms, toilets and kitchens, in old ceramic coverings where raw ceramic primer has been applied, in swimming pools, water tanks, water channels, in the production of prefabricated structures and container houses, and as a positive and negative waterproofing material.

### APPLICATION SURFACES

Suitable for application on mineral surfaces such as concrete, stone, plaster, screed, and raw concrete in horizontal and vertical areas of interior and exterior spaces, and on old ceramic surfaces with applied ceramic primer, and on all absorbent wood surfaces.

### ADVANTAGES

It has high resistance to root and soil chemicals. Applicable to all mineral and absorbent wood surfaces, ultra elastic structure and very high adhesion strength. Positive and negative applications. Easy, convenient and improved application properties. Allows for quick transition to ceramic application. Safe use on old ceramic coatings with applied raw ceramic primer.

### 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 (with Polywap Iz K 6000) before application.

### TOOLS USED

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

### 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,while outer corners should be rounded by mechanical shaving. For perforated, damaged or porous surfaces, a scraping coat should be applied with a spatula or trowel using the mixed POLYWAP ULTRA ELAST 2K GARDEN 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.

### PRIMING

After all surface preparation and drying, the liquid component of our POLYWAP ULTRA ELAST 2K GARDEN product should be diluted with water at a ratio of 1/4 (polywap ultra elast 2k garden liquid component/water) and the surface should be primed to the extent that it absorbs the liquid, ensuring there is no puddling.

### APPLICATION

Polywap Ultra Elast 2K Garden; For each coat, 4 kg of powder component should be gradually added to 12 kg of liquid component and mixed with 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 before application. Polywap Ultra Elast 2K Garden should be applied to the entire surface in at least 2 coats using an insulation pump, brush, roller, or trowel. Each coat should be applied perpendicular to the previous one. A minimum of 24 hours should be allowed 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 |
| Permanent water insulation against pressurized water (greenroof) | 3,0 mm | 3,8 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 GARDEN | 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 1.15 kg/lt |
| USAGE PERIOD | Max. 60 minutes |
| TERM OF INSTITUTION | Minimum 24 hours |
| COLOUR | Gray |