izofalt yalıtım

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# BİTÜWAP İZ 2K 2000 TECHNICAL SPECIFICATIONS

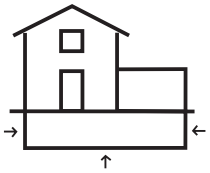
## BITUMEN, POLYMER AND CEMENT-BASED, TWO-COMPONENT LIQUID MEMBRANE

### DESCRIPTION FOR IT

Bitumen emulsion, polymer and cement-based, two-component, water-based, liquid waterproofing membrane with elasticity and tensile strength enhanced by various additives.

### AREAS OF USE

It is used in subsurface waterproofing applications such as foundations, basements and retaining walls of buildings, and in the waterproofing of structures and structural elements exposed to temporary and permanent water pressure.
It can also be used in waterproofing under ceramic tiles in wet areas such as terraces, roofs, channels, kitchens, bathrooms, balconies and similar areas. It can be applied together with reinforcements such as fiberglass, polyester felt and the like.



### APPLICATION SURFACES

Suitable for application on mineral surfaces such as concrete, stone, brick, block, plaster and screed in both indoor and outdoor areas.

### ADVANTAGES

Applicable to all mineral surfaces and has very high adhesion strength. Creates a seamless insulation layer. Easy and quick application with an insulation pump. Resistance to underground chemicals.

### 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

Hand mixer, insulation pump, brush, trowel or 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 BİTÜWAP İZ 2K 2000 liquid component diluted at a ratio of 1/5 (bitüwap İZ 2K 2000 liquid component/water). For perforated, damaged or porous surfaces, a scraping coat should be applied with BİTÜWAP İZ 2K 2000 using a spatula or trowel 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

Bitüwap iz 2k 2000, 8 kg of powder component should be slowly added to 24 kg of liquid component and mixed with a lowspeed mixer for at least 3-4 minutes until a homogeneous and lump-free 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 4 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 the second coat should be applied after it has dried. 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 | 3,0 kg/m² |
| Temporary pressurized water insulation. | 3 mm (with fiberglass reinforcement mesh) | 4,5 kg/m² |
| Insulation against continuous pressurized water. | 4 mm (with fiberglass reinforcement mesh) | 6,0 kg/m² |

## TOOL CLEANING

All tools should be washed with water immediately after application. Dried residues should be cleaned with thinner.

## PACKAGING

32 kg. Set (24 kg. Liquid component + 8 kg. Powder component)

## STORAGE AND SHELF LIFE

In dry, moisture-free environments away from sunlight, provided the packaging is undamaged and unopened, the shelf life is 12 months from the date of manufacture. Packaging should be protected from frost and heat. Two pallets should not be stacked on top of each other during transport and storage.

## STANDARD

TS EN 15814 – A2 / EN 1504 – 2:2004 CE BELGESİ

## TECHNICAL TABLE

| İZ 2K 2000 | TECHNICAL INFORMATION |
|---|---|
| The essence | Bitumen-Polymer-Cement |
| Liquid component | Bitumen-Polymer |
| Powder component | Modified cement additive powder |
| Usage period | 60 minutes |
| Colour | Black |
| Form | Thick liquid |
| Intensity | Average 1.1 kg/lt. |
| Softening point | 80 degrees |
| Installation period | Minimum 3 days |
| Waterproof | Class W2A |
| Crack bridging capability | Class Cb2 |
| Responding to the fire | Class E |
| Resistance to compression | Class C2A |
| Rain resistance | Class R1 |

## WARNINGS AND RECOMMENDATIONS

Not suitable for metal surfaces. Absolutely no water should be added to the mixture. When applying with a waterproofing pump, ensure the machine and its equipment are cleaned immediately after application. Surfaces treated with Bituwap İz 2k 2000 should 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. Soil backfill should not be applied to treated foundation retaining walls without a protective coating. For terrace applications, 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, please read the Material Safety Data Sheet.