



## WHITECHEM AQUAPROOF

### 1 – DESCRIPTION

**WHITECHEM AQUAPROOF;** is a premium, liquid and cold applied, one-component MS based polymer, elastic, waterproofing membrane, free of bitumen, solvent and isocyanates. After fully cured, it forms waterproof, UV resistant surface which also repairs the cracks up to 5mm.

### 2 – PROPERTIES

- Applicable also on damp surfaces.
- Good resistance to UV, water and moisture.
- Self-leveling.
- Paintable.
- Applicable by brush, roller, spatula or airless pumps.
- Provides water vapor permeability, allowing the surface to breathe.
- Environmental friendly – Free of bitumen, isocyanates and solvents.

### 3 - APPLICATIONS

Protection, repair, restoration and waterproofing of the following surface and areas:

- Concrete floor slabs and roofs.
- Balconies and terraces.
- Small horizontal movement joints.
- Flexible roofs and coverings.
- Pouring of horizontal movement joints.
- Protection of Polyurethane Foam Insulation.
- Waterproofing of Wet Areas (under-tile) in bathrooms, kitchens, balconies, auxiliary rooms, etc.
- Protection of masonry and vertical surfaces.

### 4 - INSTRUCTIONS

**Surface Preparation:** The surface needs to be clean and sound, free of any contamination, which may harmfully affect the adhesion of the coating. The surface must also be thoroughly cleaned from water puddles, prior to application. Remove all loosing materials. New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Any loose surface pieces and grinding dust need to be thoroughly removed.



**Application:** Apply Aqua-proof, ready-to-use, evenly and completely enclosed in one or two layers, manually with a roller or brush. Spread or pour in lanes directly on the surface and subsequently spread through a short pile roller (roller for epoxy/polyurethane paints). The second layer is applied after complete drying of the first layer. It is highly recommended to apply the second layer on the next day. For large areas and professional applications, it can be sprayed by airless pump, allowing a considerable saving of manpower. Furthermore, it can be applied with a flat trowel for horizontal surfaces. In particularly crack-prone or other problem areas, like wall floor connections, 90° angles, chimneys, pipes and waterspouts (siphon), the application of the geotextile FABRIC, soaked and saturated in Aqua-proof, in the first wet layer, is recommended. Press FABRIC firmly with a roller. The second layer is applied over FABRIC, after complete drying of the first layer. It is highly recommended to apply the second layer on the next day. In case patency is needed, medium or high, full coverage with quartz aggregates (indicative granulometry QUARTZ SAND MIX 0,1 – 0,45 MM or QUARTZ SAND MIX 0,4 – 0,8 MM) with consumption 2 – 4 kg/m<sup>2</sup> could be made. The coverage should be made in the second layer of Aqua-proof while the surface is still fresh, or, preferably, in the third layer (sacrificial layer), where the indicative consumption of Aqua-proof is 0,5 kg/m<sup>2</sup>. The next day, and after the absorption of quartz excess, using an industrial vacuum cleaner, it is possible to cover with one or two layers of a suitable protective coating.

**Coverage:** Indicatively: 0.23 – 0.25 lb/ft<sup>2</sup> (1.1 – 1.2 kg/m<sup>2</sup>) in one or two layers, in approx. 0.02" (0.6 mm) thickness. The use of FABRIC is expected to double the coverage of Aqua-proof per m<sup>2</sup> and up to three layers may be required. Recommended coverage, in total, 0.27 – 0.31 lb/ft<sup>2</sup> (1.3 – 1.5 kg/m<sup>2</sup>) (without the use of FABRIC).

## 5- PACKAGING

14 kg plastic bucket

## 6- STORAGE AND SHELF LIFE

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10 °C and +25 °C in moisture free conditions.
- The opened products should be consumed immediately.
- Shelf life is maximum 12 months conditional to complying with the aforementioned storage conditions.

## 7- SAFETY

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.



## 8- TECHNICAL PROPERTIES

<b>Basis</b>	: MS Polymer	
<b>Density (g/ml)</b>	: 1.44	(ASTM D1875)
<b>Curing Rate (23°C %50 R.H.)</b>	: 3.05 /day	
<b>Viscosity</b>	: 10000-20000 cps	Brookfield DV-E RV 23°C Spindle No 05
<b>% Elongation</b>	: Min. 300%	(DIN 53504)
<b>Tensile Strength (N/mm<sup>2</sup>)</b>	: 1-1.5	(DIN 53504)
<b>Hardness (Shore A)</b>	: 25-35	ISO 868

## DISCLAIMER

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