



## **AQUAZERO**

### **1 – DESCRIPTION**

**Aquazero;** is a premium, liquid and cold applied, one-component silane modified polymer (SMP) 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 or a spatula.
- 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.
- As a flexible coating of roofs.
- Protection of Polyurethane Foam Insulation.
- Waterproofing of Wet Areas (under-tile) in bathrooms, kitchens, balconies, auxiliary rooms, etc.

### **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.

**Avoid standing water.**



# TECHNICAL DATA SHEET

# Akfix® coating

Yeşilbayır Mah. Şimşir Sk. No: 22 Hadımköy - İstanbul/TÜRKİYE Tel: 0212 771 13 71 Fax: 0212 771 38 88

[www.akfixcoating.com](http://www.akfixcoating.com) - [info@akfixcoating.com](mailto:info@akfixcoating.com)

**Application:** Apply Aquazero, 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. 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 Aquazero, 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.

In order to increase the adhesion of the tile adhesive, usage of quartz by spreading to Aquazero is highly recommended.

**Coverage:** Indicatively: 0.27 – 0.31 lb/ft<sup>2</sup> (1.3 – 1.5 kg/m<sup>2</sup>) in one or two layers, in approx. 0.04'' (1 mm) thickness. Recommended coverage, in total, 0.53 – 0.61 lb/ft<sup>2</sup> (2.6 – 3 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 9 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.



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## 8- TECHNICAL PROPERTIES

<b>Base</b>	: Hybrid Polymer	
<b>Density (g/ml)</b>	: 1,44	(ASTM D1875)
<b>Colour</b>	: Grey/White	
<b>Curing Rate (23°C %50 R.H.)</b>	: 3,05 m/day	
<b>Viscosity</b>	: 10000-20000 cps	Brookfield DV-E RV 23°C Spindle No 05
<b>Hardness (Shore A)</b>	: 30 ± 5	ISO 868
<b>% Elongation</b>	: Min. 300%	(DIN 53504)
<b>Tensile Strength (N/mm2)</b>	: 1-1,5	(DIN 53504)
<b>Application Temperature</b>	: +5 °C to +35 °C	
<b>Product Temperature</b>	: +5 °C to +25 °C	
<b>Temperature Resistance (Cured Product)</b>	: -20 °C to +80 °C	

## 9 – LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Akkim products, are given in good faith based on Akkim's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Akkim's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Akkim reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.