

AQUATECH

Water based polyurethane sealing system for roofs

Catalogue number: 430

Update: 08/13

Product description	<p>AQUATECH is innovative water based aliphatic polyurethane sealing system. AQUATECH's components are human-friendly and environment-friendly, they are not toxic neither harmful to touch, unlike existing polyurethane materials. AQUATECH creates, after having hardened, a strong and flexible, abrasion resistant sealing membrane, with a smooth surface and nice aesthetic appearance. AQUATECH is highly resistant to u.v. radiation.</p>	
Application	Sealing of concrete roofs, old polyurethane/acrylic coated roofs.	
Technical specifications	Appearance:	Creamy, material with white color
	Specific weight:	1.37 gr./ml.
	Viscosity:	30,000 cps
	Elongation capability:	400%
	Tearing strength:	6.0 MPA
	Cold flexibility:	-25°C
	Accelerated UV Weathering, <u>2000</u> hours	Very good endurance

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Instructions for use	<p><u>Surface preparation</u></p> <p>Check that gutters are in good working order, that walls and floor meeting corner sides are rounded, and verify minimum slopes of 1.5%. Application should be performed on a strong stable concrete (that was casted minimum 30 days before application) or other substrates such as old acrylic/polyurethane coatings. Remove intensively all loose particles. Rinse intensively the roof to remove mud and wait until completely dry. Apply 250 gr/m² of AQUAPOXY over the roof surfaces. Drying time: 1-2 hours.</p> <p><u>Performing of the sealing system:</u></p> <ol style="list-style-type: none"> 1. Apply Aquatech in quantity of 1.0 kg/m² along the walls and floor meeting corners, gutters, pipe penetration and along cracks (in 15 cm strips). Let it dry for 2 - 4 hours. 2. Apply a first layer of Aquatech over the surfaces by spray or brush, in a quantity of 1 – 1.25 kg/m². Letting to dry for 3 -5 hours. 3. Apply 1 – 2 layers of Aquatech in a quantity of 1 – 1.25 kg/m². Drying time between layers: 3 – 5 hours. Total quantity: 2.5 – 3.0 kg/m², depends on slopes, type of substrate and dimensions of the roof. <p>For achieving a reliable and long lasting waterproofing system, It is recommended to reinforce the fresh Aquatech with polyester fabric type POLYFABRIC (a glass net is acceptable as a less qualified reinforcement). A minimum quantity of 3 kg/m² Aquatech is recommended in this case.</p>
Drying time	<p>To touch: 2-3 hours (at 25°C and 50% humidity). Final drying time: 14 days.</p>
Storage	<p>In the shade, protected against frost and high temperatures (5°C – 35°C)</p>
Packaging	<p>18 kg</p>
Warning and safety measures	<ul style="list-style-type: none"> • AQUATECH is hazardous to swallowing, wash your hands in water and soap immediately after use. • AQUATECH is not to be applied 24 hours before rain or 6 hours before dew. • AQUATECH is not to be applied at temperatures lower than 5°C. • AQUATECH is not to be applied a short time before dust storms. • AQUATECH is not to be thinned by water or any other substance. • A flooding test may be conducted at least 14 days after finishing application. • AQUATECH is not to be applied in quantities exceeding 1.25 kg /m²/ layer.

The instructions that appear on the product are based on knowledge and experience amassed over the years. We reserve the right to change these instructions without prior notification. The operator is responsible for keeping informed of the latest updates. These instructions are solely recommendations and do not constitute liability for the product. Prior to use, the user must check the product's suitability, and the application and environmental conditions that meet his specifications. If in doubt, please contact us and we will be happy to instruct you.