

AQUAPORE FORTE

Reinforced superhydrophobic water-based nanotechnological coating for vertical porous material surfaces

<p>Product Description</p>	<p>Reinforced superhydrophobic water-based nanotechnological coating that provides high water repellency to the treated materials. Designed for porous and slightly porous substrates. High-performance invisible protection for vertical and tilted surfaces against water and dirt buildup.</p>
<p>Applications</p>	<p>The active compound that produces water-repellency is nanoparticles dispersed in water, so AQUAPORE Forte is compatible with any constructive porous substrate. Designed to be applied as a water repellent by surface treatment on all types of facade materials such as exposed bricks, mortars, cements, monolayers, concretes, cotegran, prefabricated materials, natural stone and mixed surfaces where different materials and porosities are mixed.</p> <p>Used as a facade protector both in rehabilitation and new construction. Due to its water-based composition, AQUAPORE Forte is also suitable for indoor applications.</p> <div data-bbox="464 891 1417 1102" data-label="Image"> </div>
<p>Features and Benefits</p>	<ul style="list-style-type: none"> ▪ High contact angle, which results in greater water repellency. ▪ It does not form film, allowing the natural course of the substrate's processes through its pores, such as transpiration. ▪ Does not modify the appearance, colour nor structure of the treated substrate. ▪ The nanotechnological structure of the product does not present weak points that could be affected by UV radiation and therefore, the weather resistance of the product is much higher than traditional products. Guaranteed duration of 10 years. ▪ The active compounds do not react with the treated surface avoiding possible degradation. ▪ Unlike traditional products, it allows re-application without the need to remove previous product residues and avoiding costly cleaning processes (brushing, sandblasting, etc.). ▪ Suitable for the treatment of surfaces made of concrete, brick, tile, wood, natural stone, etc., both in exterior and interior applications.
<p>Product data. Composition and physico-chemical properties.</p>	<ul style="list-style-type: none"> ▪ Color: Clear translucent colorless liquid. ▪ Formats: 1L, 5L and 25L (larger volumes on request) ▪ Storage: 12 months from the date of manufacture in its original airtight containers at temperatures between 5°C and 30°C. ▪ Active ingredients <3% wt ▪ Volatile organic content(VOC) <25% wt ▪ Density: 0,955 g/ml ▪ Viscosity: 3,25 cP ▪ Boiling Point: 100°C ▪ Dissolvent: water <div data-bbox="1002 1794 1406 2056" data-label="Image"> </div>

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Surface preparation

Before applying, carefully clean the surfaces and remove any detergent or cleaner residues. The surface must be completely clean.
Avoid any cracks or fissures on the substrate. It is recommended, if possible, to fix them previously.

Instructions for use

- SHAKE THE CONTAINER VIGOROUSLY BEFORE USE.
- The product is applied directly to the surface to be treated, preferably by spray or air gun spray (standard low pressure airless). If no spray is available, the product can also be applied using a brush or roller. The product can be applied in a single coat containing the recommended total amount of product (TOTAL-ml/m²), or in two coats, using the recommended amount per coat per application (BY APPLICATION-ml/m²). In any case, it is recommended to apply the two coats in order to obtain a better efficiency of the treatment and to optimize the product properties. The second coat can be applied immediately after the first coat. The optimum effect will be achieved after a complete drying time of 48 hours.

Graphic description:

Application (2 layers):
approx.125-400 ml/m² total
(depending on porosity)

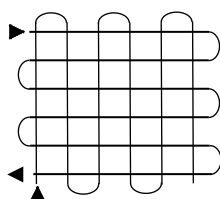


Fig 1

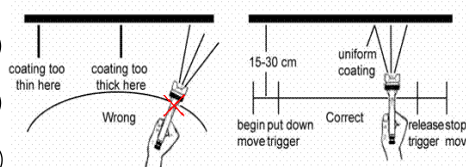


Fig 2

- Application utensils: After use, clean them with plenty of water or any type of general solvent compatible with the working tools.

Performance and conservation

- **Dilution:** none
- **Performance/quantity:**

MATERIALS	OVERALL PERFORMANCE	
	ml/m ²	m ² /litre
Semipolished marbles, Terrazo.	125	8
Slightly porous limestones, polished concrete.	150	6,7
exposed bricks, tiles.	200	5
Granite, unpolished concrete, monolayer mortar.	250	4
Very porous limestones, ancient porous natural stones.	300	3,3
Sandstones, rough concrete.	400	2,5

- **Drying time:** 48 horas.
- **Operating temperature:** between 5°C and 30°C.
- **Storage temperature:** between 5°C y 30°C; protect from direct sunlight; store tightly closed in original container.

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<p>Limitations</p>	<ul style="list-style-type: none"> ▪ The great water-repellent effect achieved from the very first instants (superhydrophobic - contact angle of water droplets with the surface >150°) decreases in surfaces subject to continuous friction, especially in humid conditions, although protection against water is still maintained. ▪ It is recommended to apply the product at temperatures between 5°C and 30°C. ▪ Carry out an initial test on painted surfaces to check compatibility. ▪ Possible future applications of water-based paints, reconstructions with different mortars or other products on the treated surface may be limited by the existing hydrophobic effect. ▪ This product is not suitable for medical and pharmaceutical use.
<p>Handling precautions</p>	<p>The product safety information required for safe use is not included in this document. Before handling the product, read material safety data sheets and container labels for safe use and for information about physical and health hazards. These material safety data sheets are available and supplied by TECNAN S. L.</p>
<p>Limited Warranty Information</p>	<p>Please read carefully: The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's test to ensure that products are safe, effective, and fully satisfactory for the intended in use. Suggestions of use shall not be taken as inducements to infringe any patent. Sole warranty is that the product will meet the TECNAN S.L. specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TECNAN S.L. specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. TECNAN S.L. disclaims liability for any incidental or consequential damages.</p>