

AQUASHIELD

Nano-based:

ACTIVE

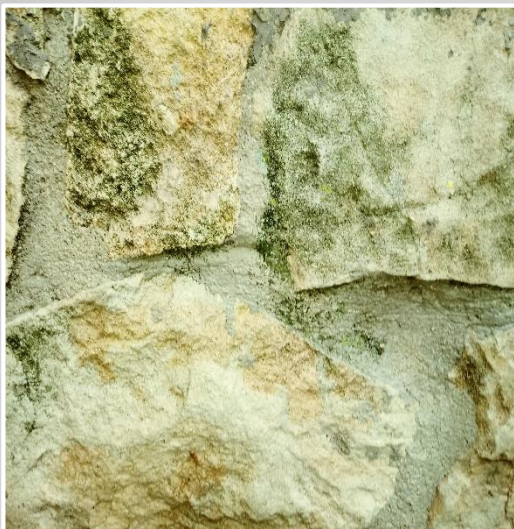
TECNAN
TECNOLOGIA NAVARRA DE NANOPRODUCTOS, S.L.

HORIZON 2020
PROJECT

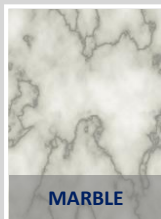


Nano
Cathedral

Antimicrobial water repellent based on nanoparticles for porous materials.



TOTAL COMPATIBILITY WITH ALL TYPES OF POROUS MATERIALS



MARBLE



SLATE



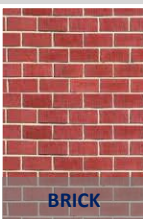
GRANITE



LIMESTONE



SANDSTONE



BRICK



CONCRETE

AQUASHIELD ACTIVE

Water repellent and inhibitor of microorganisms (such as bacteria, moulds, lichens, etc.) of high performance based on nanoparticles. Breathable, permeable, transparent, high performance protector, designed mainly for the protection against the action of water of porous and low porosity materials susceptible to the growth of microorganisms.

GENERAL PROBLEM

Negative influence of water penetration and the proliferation of microorganisms on the different substrates that generate different pathologies:



Microorganisms growth



Crystallized efflorescence



Presence of moisture



Freeze-thaw attacks

DIFFERENTIATION

- ✓ Water repellent solution that avoids the absorption and accumulation of water, as well as the proliferation of microorganisms, avoiding or delaying their growth in the treated support.
- ✓ Thanks to its greater water repellency and its limiting effect on the growth of bacteria, moulds and moss, it keeps surfaces clean for longer.
- ✓ It reduces the possibility of stains and unpleasant odours due to microorganisms.

CHARACTERISTICS

The product works continuously to make the material more hygienic, avoiding the proliferation of microorganisms, prolonging the useful life of the substrate.

It does not form a film, does not form a reticule, completely allowing the breathability of the material. It is permeable, as it has a minimal variation in the capacity to transfer water vapour (<10%). Completely transparent, respecting the natural colour of the original material.

High resistance and durability. Total resistance to UV. Easy initial application and fully re-applicable in subsequent applications.

The active compounds do not react with the treated surface, keeping the material unchanged for as long as the treatment remains active.

USES AND APPLICATIONS

Surface treatment of application in places that require protection against humidity, unfavourable weather (shady/humid areas, etc.); as well as the protection of areas with special needs against the proliferation of microorganisms, such as swimming pools, courtyards, roofs, facades, etc.



PERFORMANCE

ESTIMATED TOTAL PERFORMANCE

MATERIALS	m ² /litre
Low porosity marbles and limestones, terrazzo, polished concrete.	8
Granite, unpolished concrete.	6-7
Sandstones, porous limestones, facing bricks.	5
Monolayer mortar, coarse concrete.	4
Extremely porous limestones and sandstones.	3-3,5

HOW TO USE

SHAKE CONTAINER VIGOROUSLY BEFORE USE.

BEFORE EACH USE:

1. Shake container vigorously before use.
2. The surface must be clean and dry, without the presence of dust or solid particles of any nature on the surface.
3. Avoid the presence of cracks or fissures in the material to be treated.
4. It is recommended to apply over dry substrate, although it is not strictly necessary.

APPLICATION METHOD:

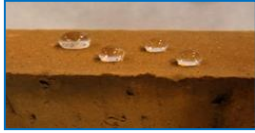
1. The product is directly applied over the surface to be treated, using a brush, roller or spray (preferably AIRLESS). It is recommended adjustable and no pressure flow systems.
2. The maximum effectiveness of the treatment is achieved by applying two coats of the product. The second layer can be applied immediately after the first one. There is no maximum or minimum time interval between the two coats, as it can be reapplied at any time.
3. It is not necessary to saturate the surface, it is only necessary to observe its wetting with AQUASHIELD ACTIVE. Make sure that the application does not cause dripping on the material, as this means excess product.

TECNADIS SOLUTIONS – READY TO USE NANOPRODUCTS

For the protection of porous and low porosity substrates :

AQUASHIELD ULTIMATE

Water repellent for facades of porous materials.



AQUASHIELD FORTE

Reinforced water repellent for porous substrates.



TECNADIS PRS PERFORMANCE

Hydrophobic and oleophobic product for floors, pavements and facades.



SUCCESS STORIES



*Surne Building
(Bilbao, Spain)*



*Old Royal Tobacco Factory
Rectorate University
(Sevilla, Spain)*



*Rossio Train Station
(Lisbon, Portugal)*



*Mª Díez de Haro Building
(La Rioja, Spain)*



*Mausoleum of Pablo Sarasate
(Pamplona, Spain)*



*Private housing
(Navarra- Spain)*

Available in formats of:

1l, 5l, 25l

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