

Tecnadis **AQUAPORE** *FORTE*



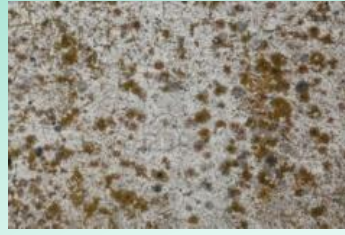
Reinforced superhydrophobic water-based
nanotechnological coating for porous
and non-porous substrates

PROBLEMATIC ISSUES

Negative effects of water and humidity penetration on different substrates.



*Pollution:
dust, dirt*



*Growth of
microorganisms*



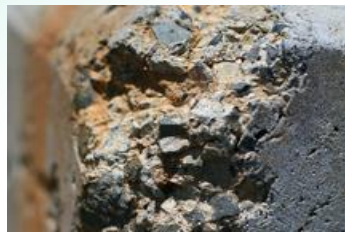
*Humidity
presence*



Capillary rise



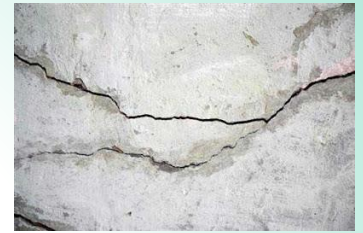
*Carbonation,
chlorides corrosion*



Sulphate attack



Efflorescence



Freeze-thaw damage

TECNAN SOLUTION - USES AND APPLICATION

Colourless reinforced protection against water action for preferably vertical porous substrates.

Applicable to a wide variety of substrates:

CONCRETE



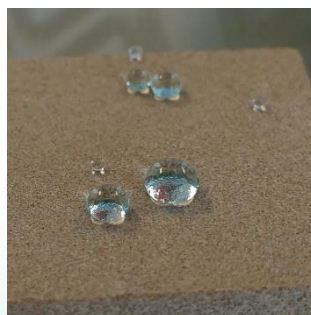
WOOD

BRICK



GRANITE

NATURAL STONE

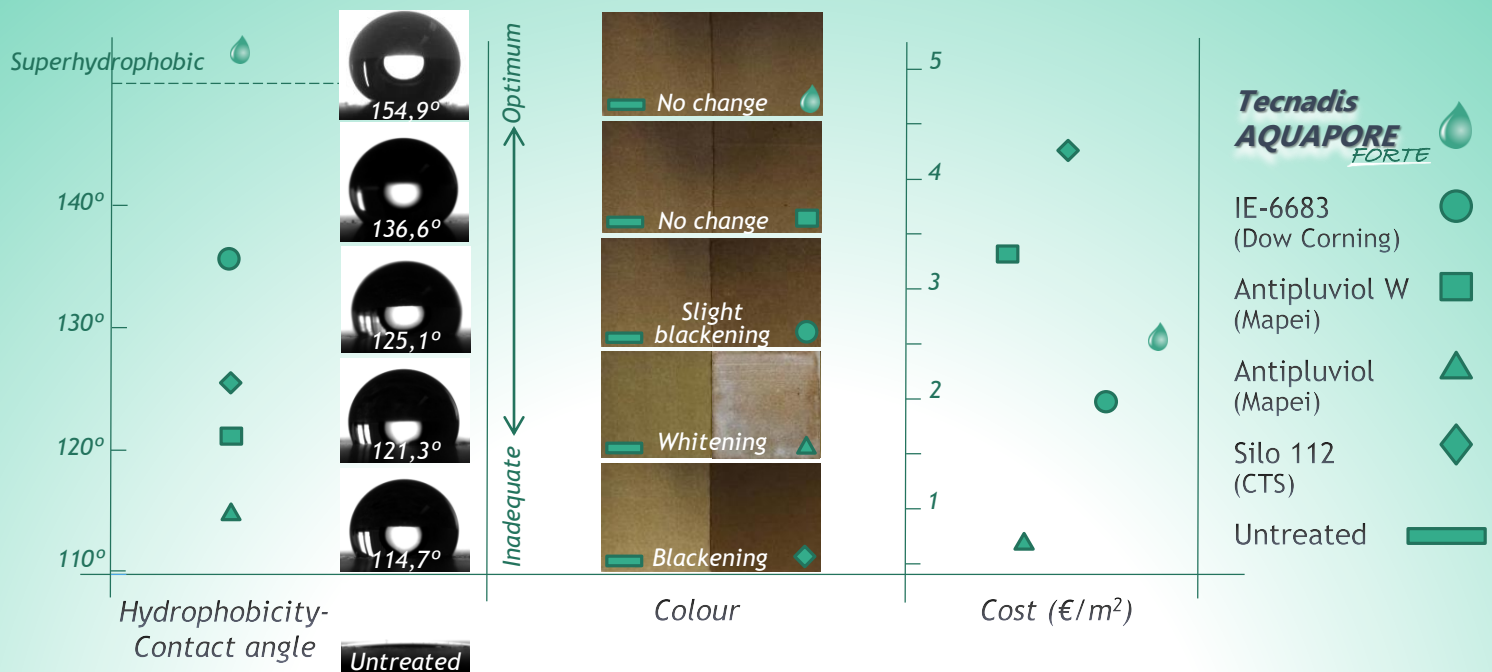


FEATURES

- Water-based reinforced product
- Environmentally friendly
- No health risks associated
- Excellent water repellency
- Prevents water accumulation and absorption
- Allows substrate breathability
- Does not react chemically with the substrate
- Does not change the colour of the surface
- Ready to use product
- Easy application
- High performance
- Allows reapplication

COMPARATIVE PERFORMANCE

Results obtained in laboratory tests comparing with main competitors:



CONCLUSIONS:

- Contact angle: It is the only superhydrophobic product (contact angle > 150°). A 25% higher than the average of its competitors. High water repellency.
- Colour: It does not react chemically. It does not change colour nor substrate conditions.
- Application: Higher performance than its competitors. Highly competitive price. It allows reapplication, in contrast to its competitors.

ADVANTAGES OVER COMPETITORS

- Does not change colour, as opposed to the features provided by most competitors.
- Does not react chemically with the substrate, in contrast to its competitors, avoiding the modification of the substrate conditions.
- Overcomes the hydrophobic effect of any competitor, with contact angles greater than 150° (superhydrophobic effect), limiting the absorption of water.
- Optimum permeability to water vapour (less than 10% reduction). Unlike traditional hydrophobic products, does not form film, allowing breathability of the substrate.
- In contrast to its competitors, it can be reapplied, without the need to remove the previous product residue.

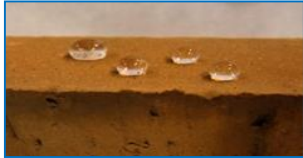


TECNADIS RANGE OF SOLUTIONS - READY TO USE NANOPRODUCTS

Our catalogue of Tecnanis products already has the following solutions for the protection of porous and slightly porous substrates:

AQUASHIELD ULTIMATE

Water repellent for facades made of porous materials.



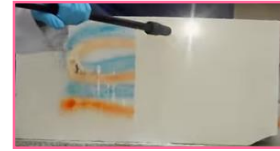
TECNADIS PRS PERFORMANCE

Water and oil repellent for floors and facades.



TECNADIS GRAFPROTECT

Permanent Antigraffiti



SUCCESS STORIES

Historic buildings



*Oviedo Cathedral
(Asturias, Spain)*



*Head Office Banco de España
(Madrid, Spain)*



*Royal Palace of La Granja de
San Ildefonso
(Segovia, Spain)*



*San Joao National Theatre
(Porto, Portugal)*

Other buildings



*MAAT Building
(Lisbon, Portugal)*



*Caleta Courts
(Granada, Spain)*



*Primary Care Centre of
Badalona
(Barcelona, Spain)*



*ARTEA Shopping Mall
(Vizcaya, Spain)*

Available in the following
formats: 1l, 5l, 25l

TECNAN
TECNOLOGÍA NAVARRA DE NANOPRODUCTOS, S.L.

Área Industrial Perguita, Calle A Nº1
31210 Los Arcos - Navarra - España
Tel.: +34 948 640 318 - Fax: +34 948 640 319
www.tecnan-nanomat.es
tecnan@tecnan-nanomat.es