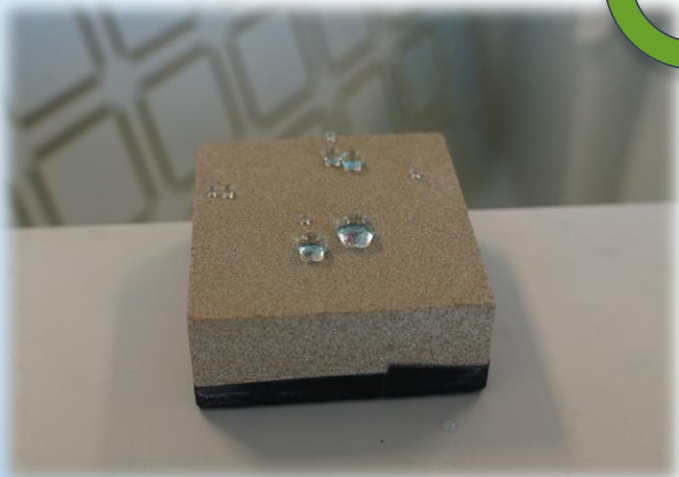


# ***Tecnadis***



# ***AQUAPORE***

Nanotechnological water-based hydrophobing product for porous surfaces



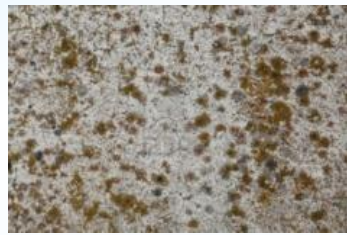


# PROBLEMATIC ISSUES

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 protection against water action for preferably vertical porous substrates.

Applicable to a wide variety of substrates:

### CONCRETE



### BRICK



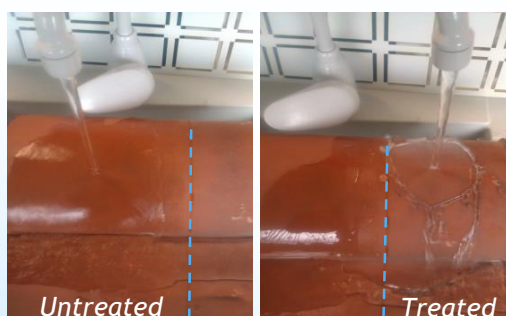
### NATURAL STONE



### WOOD



### CERAMICS

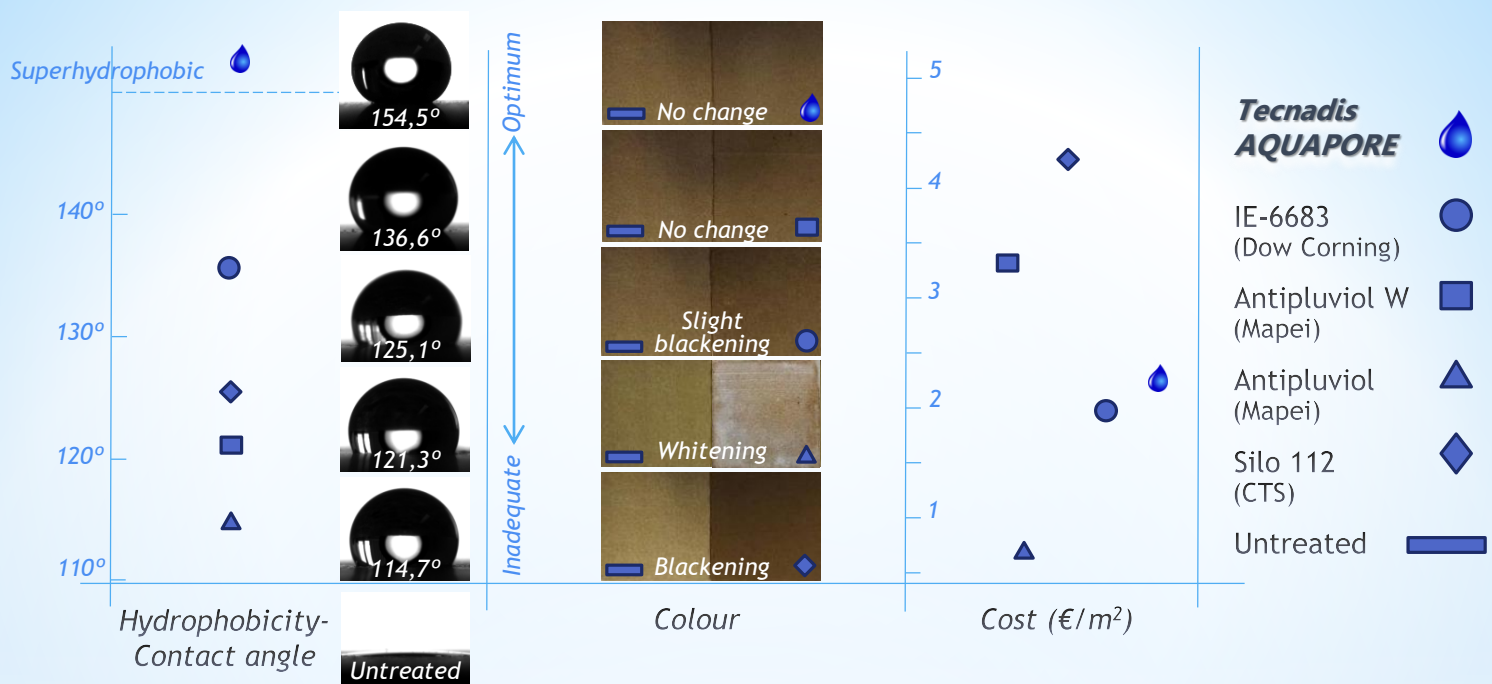


## FEATURES

- Water-based 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 key competitors:

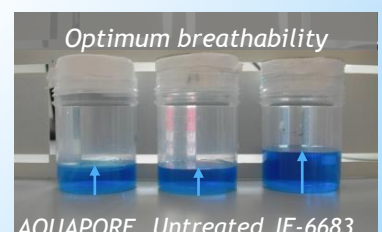


## CONCLUSIONS:

- 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. Does not change colour or substrate conditions.
- Application: Higher performance than its competitors. Highly competitive price. 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 removing previous residual product.





# TECNADIS RANGE OF SOLUTIONS - READY TO USE NANOPRODUCTS

Our catalogue of Tecnadis products already has the following solutions for the protection of 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

Structures of concrete, brick, natural stone

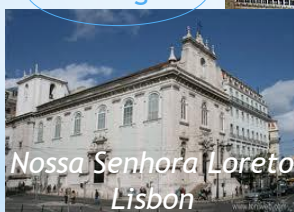
Spain

Santiago Cathedral



San Sebastian Port

Portugal



Nossa Senhora Loretta  
Lisbon



Baelo Claudia

Housing estate



Primary care center



Madrid Pavilion



Detached houses

## TECNADIS NOVELTY

### TECNADIS AQUAPORE

Water based hydrophobic solution for porous and low porosity substrates.



Place your order by:

Phone: +34 948 640 318

Fax: +34 948 640 319

E-mail: [tecnan@tecnan-nanomat.es](mailto:tecnan@tecnan-nanomat.es)

Packaging: 1l, 5l, 25l

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