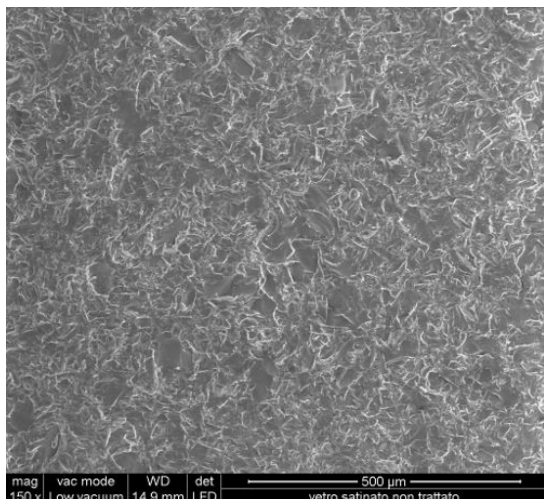


TECHNICAL DATA SHEET

NOWGEL 19 - Stain repellent protective coating for sandblasted glass

NOWGEL 19 is a sol-gel based product for the protection of sandblasted glasses. The liquid chemical contains nanostructured silica. Once applied, it acts as a filler preventing dirt and impurities adhesion in micropores.

NOT TREATED



TREATED WITH NOWGEL 19

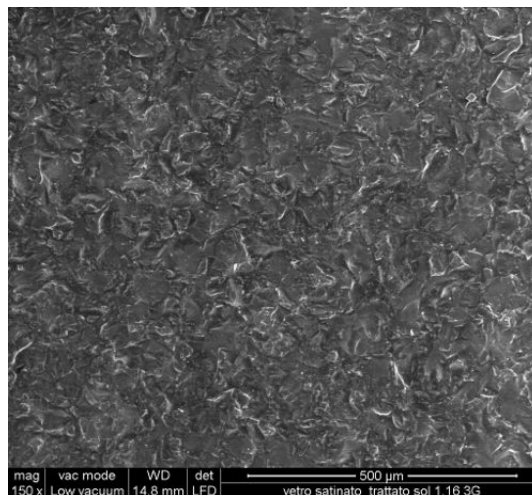


Fig. 1-2: ESEM-EDS images of sandblasted glass before and after the NOWGEL 19 treatment. In the right image it is possible to observe the functionalized silica (darker matrix) in the roughness of the sandblasted surface.

APPLICATION

Surface preparation

The surface need to be clean to ensure best performance and to avoid grime to be trapped in the film. It is recommended to remove dust from sandblasting. Before the application the surface must be dry.

Dilution

The product is ready to use without dilution.

Directions for use

Spray or pour the product on the surface. Spread gently the product with a microfiber cloth, avoiding accumulation until it dries. A single application is sufficient to provide the protective effect.

ATTENTION: Once soaked the sandblasted surface, removed the excess product and obtained a uniform effect, the glass is ready for handling and can be packed or installed.

Surface coverage

The product yield is about 100 m²/L,

Drying

The coated surface is dry in 1 minute to touch..

Stability

The surface may be immediately handled, packed or installed.



Temperature conditions
min. 5°C – max. 35°C.

CHEMICAL/PHYSICAL PROPERTIES

Composition

The product is liquid and contains nanostructured silica in alcoholic solution functionalized with silica alkoxides organically modified.

Aspect

Liquid, colorless, transparent.

Relative density

0,822 g/cm³

Drying

At room temperature.

Flash point

<19°C

Optical properties

The treatment soaks the sandblasted surface giving the aspect of an etched glass.

Resistance to detergents / maintenance

When cleaning the treated surface use only water or water and mild detergent with microfibre cloths or soft sponges. Avoid alkali wash, powder detergents, abrasives and pure alcohols.

Packaging and transport of the treated glass

Avoid the contact with paper/cardboard during the transport. Leave the surface open and apply spacers on the corners.

Compatibility with other materials and products

The treated surface is not suitable for the application of adhesive tape or butyl resin. In case of double glazing, cover the area to be bonded before the treatment.

ADDITIONAL NOTES

Cleaning of the application tools

After use the tools should be washed with alcohol (2-Propanol or ethanol).

Storage

Store in a closed container, away from heat in a cool, dry place. If properly stored, the storage life is 24 months.

Safety

The product is flammable.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. We reserve the right to modify and improve the product and to adapt it to safety regulations as well as to modify the packages. We suggest to adapt the application of our products on the basis of the nature and of the conditions of the material to be treated by testing the product in a sample area. Our technical office is at disposal for any other explanation.