

NEOLITH® pureti™

TIPS AND RECOMMENDATIONS

NEOLITH+PURETI

The Neolith+Pureti technology creates self-cleaning surfaces that purify the air by means of two fundamental processes: PHOTOCATALYSIS and SUPERHYDROPHILICITY.

Over time, building facades become dirty and full of contaminating agents that are carried through the air to the surface. When the surface enters into contact with sunlight, titanium dioxide particles are activated which use light energy to transform the moisture in the air into oxidizing agents which gradually yet continuously destroy the nitrogen dioxide particles and contaminating agents and transform them into water vapor and salt.

The water doesn't form drops when it rains, but rather evenly extends over the surface to create a film that helps eliminate dirt and, thus, decrease the need for manual facade cleaning which reduces cleaning expenses.

Because of the self-cleaning effect, an outdoor facade made of Neolith+Pureti will maintain higher reflectivity values for a longer period of time which will help passively control the temperature within the building.

Besides this self-cleaning function, Neolith+Pureti slabs destroy the NO_x and VOC's (Volatile Organic Compounds) in the air, inhibiting the formation of mold and fungi on the surface.



USE OF THE PRODUCT

Neolith+Pureti is the ideal solution for outdoor facades exposed to light and rain. **Neolith+Pureti** can be used in all environments and is particularly effective in areas with a lot of air pollution such as:

- Urban environments.
- Areas near heavy traffic, airports or railway lines.
- Industrial parks.

PERFORMANCE

The self-cleaning performance can vary depending on the environment and location where the slabs are installed. For example:

- the type of dirt
- the quantity of dirt
- complete light and rain exposure

Ideal performance is obtained when the slabs are installed vertically with the greatest of exposure to the direct sunlight and rain.

During dry periods or in shady areas, Neolith+Pureti still has the ability to self-clean and simply requires rinsing with clean water to help keep the surface clean.

Neolith+Pureti cannot decompose large areas of solid dirt or minerals such as cement, paint, varnish, silicones, etc.

HANDLING

The suction cups can be used but must be clean and in good conditions so they don't slide across the surface. Always make sure there is no silicone oil on the suction cups.

Avoid contact with sharp, metal or abrasive objects which may damage the surface (cutters, knives, spatulas, etc.).

Neolith+Pureti surfaces must not be marked with wax crayons as it may be difficult to remove.

If other work is done near Neolith+Pureti slabs, protect them with a sheet of clean plastic to prevent splattering or aggressive stains (paint, varnish, glue, cement, plaster, mortar, etc.).

ROUTINE MAINTENANCE

Neolith+Pureti features a long-lasting coating, but care must be taken when washing the surface to prevent damage to this coating. **Neolith+Pureti** is not a “100% maintenance-free” product. If the surface requires occasional cleaning, follow these instructions:

- Rinsing the surface with clean water will normally be sufficient.
- For isolated cleaning, you may use multipurpose or window cleaners with ammoniac or alcohol. Make sure the cleaning products do not contain any rinse aids, waxes, waterproofing substances, etc.
- To wash the surface, apply the solution with a clean and gentle rag or sponge and then rinse well with clean water.

Important:

- Do not use products with abrasive particles.
- Do not use aggressive chemical products such as alkaline or acid-based detergents (lye or cement remover) or bleach.
- Avoid contact with any sharp or abrasive objects including blades, cutters, spatulas, scouring pads, steel wool, sanding paper, etc.

WARRANTY

The self-cleaning and decontaminating effectiveness on the surface is guaranteed for at least 10 years. If there is a need to determine the surface activity after 10 years, a special label can be applied. It is available through TheSize.

After being stuck to a photocatalytic surface, these labels show a color change from blue to pink when exposed to sunlight. The surface can be considered inactive if it takes more than 60 minutes to complete the color change.

In such case, the coating can be re-applied. The surface must be washed with clean water to eliminate any dirt and then left to dry. An expert technician should then re-apply the coating.

Contact TheSize for more information on re-applying the coating.

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