EASY CLEANING

Discover our new technology

Normal coatings are hydrophobic. The newly developed MECOPROTECT® coating becomes superhydrophilic (attracts water) after activation by UV light.

With this water-attracting coating even small quantities of water are sufficient to wet the whole coated surface, so that the unattached dirt particles are washed away.

With MECOPROTECT® | **Without MECOPROTECT®**

Hydrophilic | Hydrophobic

HIGHLIGHTS

ECO-FRIENDLY AND SUSTAINABLE

Titanium dioxide is completely safe and environmentally friendly. TiO_2 is widely used in medical and cosmetic applications, even in toothpaste. The photocatalytic process is continuous and remains undiminished by UV light. **The product does not release any nanoparticles.** The use and processing of MECOPROTECT® coated strips is completely harmless.

AVAILABLE IN ALL COLOURS

MECOPROTECT® is applied as an additional layer. The thickness of the layer is no more than a few microns; it is almost transparent and applicable on any colour or gloss. Strips coated with MECOPROTECT® have excellent bending and roll-forming properties.

ACTIVATED BY UV

UVA irradiation activates the MECOPROTECT® coating. The activation takes place within a few days of outdoor exposure. Indoor exposure will not activate the coating.

CLEAN AND DRY

Once the coating has been activated the surface becomes hydrophilic. The water is then distributed evenly over the surface in a thin film. As a result, the coating dries very quickly without leaving any drop marks.

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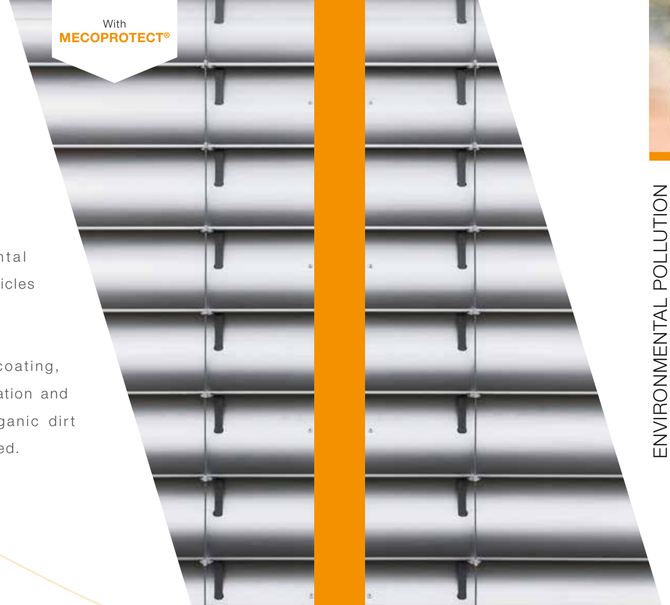
MECO PROTECT NANO® SHIELD SYSTEM

CLEANS WITH SUNLIGHT AND RAIN

METALCOLOR
INDIVIDUAL COIL COATING SINCE 1981

MECO PROTECT NANO® SHIELD SYSTEM

With **MECOPROTECT®**



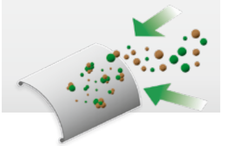
The power of photocatalytic activation

Over time organic substances and other environmental contaminants deposit on surfaces, to which dirt and dust particles can then easily adhere.

With the photocatalytically active MECOPROTECT® coating, organic substances are decomposed by UV light irradiation and transformed into carbon dioxide and water. Non-organic dirt particles adhering to coated surfaces are thus minimized.

ENVIRONMENTAL POLLUTION

Within a short time environmental contaminants make surfaces look dirty and generate significant maintenance costs.



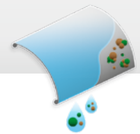
COMBATS DIRT WITH SUNLIGHT

Under the effect of sunlight, the titanium dioxide photocatalytic coating MECOPROTECT® acts as a catalyst and causes decomposition of organic dirt particles. The TiO_2 coating is easy to clean and even has self-cleaning properties if directly exposed to rain.

EASY TO CLEAN

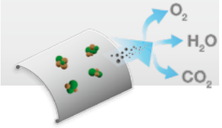
Even small amounts of water are enough to wash dirt particles away from the superhydrophilic surface.

A MECOPROTECT® coated surface can be easily cleaned and remains considerably cleaner if exposed to rain.



PURIFIES AIR

The titanium dioxide contained in the coating not only contributes to cleaning the surface, but also is capable of eliminating harmful substances from the air we breathe. TiO_2 is a semiconductor. UV light generates electrons on the surface, which then form oxygen radicals. Oxygen radicals break down many harmful pollutants in the air: nitrogen into harmless nitrate, volatile organic compounds into CO_2 and water and ozone decomposes into oxygen.



TIME IS MONEY

Surfaces coated with MECOPROTECT® require considerably less cleaning if the surface is exposed to rain. Should any dirt adhere to surfaces, small amount of water is generally sufficient to remove it. Surfaces treated with MECOPROTECT® not only stay clean longer, but also make a significant contribution to reducing the maintenance costs of building.