



Sto Corp. | Exterior

StoCoat™ Lotusan®
The exterior coating with
Lotus-Effect®

StoCoat™ Lotusan®: Modeled on nature.

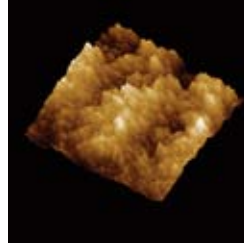
A feature discovered on the lotus plant and applied in StoCoat™ Lotusan® exterior coating.



Dirt particles are unable to obtain a hold on the leaves of the lotus plant and simply flow off with the rain droplets that fall on the plant.

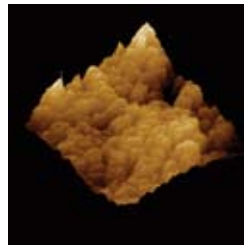
The StoCoat Lotusan exterior coating possesses a highly water-repellent surface similar to that of the lotus leaf. Its microstructure has been modeled on the lotus plant to minimize the contact area for water and dirt. The surface additionally offers enhanced hydrophobic properties.

Lotus-Effect®: Dirt simply runs off with the water that falls on the façade. The façade remains dry and attractive. Even on sides which are particularly exposed to the weather.



The microstructure of a lotus leaf magnified 7,000 times:

The nanoscopic photograph shows the extremely reduced contact area for water and dirt. As the surface is also highly water-repellent, water immediately forms droplets and flows off, taking dirt particles on the surface with it.



The microstructure of StoCoat™ Lotusan® magnified 7,000 times:

The beauty of BIONICS®: Virtually identical to the lotus leaf. Sto's development engineers have additionally enhanced the surface's hydrophobic properties.

Dirt on StoCoat Lotusan façades is consequently carried away immediately by the water which falls on the surface.

Dry and attractive façades.



Façade protection featuring a pronounced self-cleaning effect.

- Very high level of water- and dirt-repellence after drying of the coating.
- Highly resistant to soiling, pronounced self-cleaning effect.
- Resists the growth of mold, mildew, and algae.
- Excellent weather and chalk resistance, UV-stable.
- Ideal for new construction and recoat projects over concrete, stucco, EIFS, and fiber cement board and primed or pre-painted wood substrates.
- High water vapor permeability.
- Smooth matte (flat) surface.
- Available in virtually any color including custom color matches.
- Can be recoated with traditional acrylic based paints, though with the loss of the Lotus-Effect®.



StoCoat™ Lotusan®
lowers maintenance costs
by extending cleaning
and recoating cycles.



StoCoat™ Lotusan® –
The ideal protection
for façades.



FEATURE	BENEFIT(S)
Super-hydrophobic	<ul style="list-style-type: none"> Extremely water repellent Outstanding resistance to soiling Improved resistance to mold, mildew, and algae
Vapor Permeable	Allows substrate to breathe naturally, resists blisters caused by trapped water vapor
UV Resistant	Excellent color retention



StoCoat™ Lotusan®
is tintable* in
many colors of the
StoColor System.

StoCoat™ Lotusan®
enables simple,
seamless application.



StoCoat™ Lotusan® with Lotus-Effect®:



The problem with conventional exterior paints:

The soiling of the façade becomes increasingly visible over time. On weather exposed sides in particular, microorganisms find an ideal environment for colonization in the form of adequate moisture and nutrients from dirt deposits.

The Lotus-Effect® on façades:

Water and dirt flow off immediately.
The façade remains dry and attractive.

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