



Building with conscience.

Sto iQ Technology™

Advanced coatings with unique characteristics
that improve building performance

Facades



Interiors



Sto Intelligent Technology + Design™ (iQ Technology™) provides high performance coatings with improved function through optimized product properties. In addition to meeting all performance standards, these unique coatings address the true needs of a building, such as helping to protect against external or internal pollutants and weather conditions.

Sto iQ
Intelligent Technology

Finally, architectural coatings that are aesthetically and functionally beautiful.

Some people believe that all coatings are generally the same. Nothing could be further from the truth. At Sto®, we have a long, proven history of developing innovative coating technologies. Now, we've developed a group of architectural coatings that provide more value by providing more functionality. Sto Intelligent Technology + Design™ (iQ Technology™) interweaves innovation with design to offer high performance coatings with unique attributes based on biomimicry principles that enhance aesthetics and improve occupant comfort.



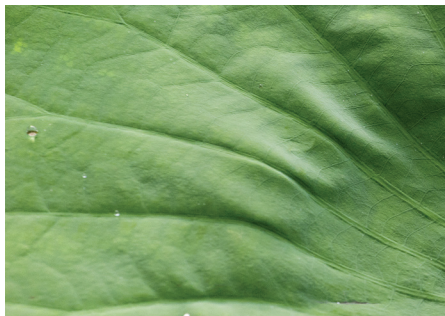
Three unique coatings inspired by nature.

Sto offers three high performance coatings that employ iQ Technology: StoColor® Dryonic®, StoColor® Lotusan® and StoColor® Climasan®. The functionality behind each of these coatings is inspired by nature and designed to address the true needs of a building, not just the standards. Because these coatings deliver improved function through optimized product attributes, property owners will realize greater durability and lower lifecycle costs.



StoColor® Dryonic®

Microorganisms can settle when the facade is wet, for example from rain, dew or fog. StoColor® Dryonic® helps prevent these organisms from settling. The microstructure of the coating that is the basis of the patented Dryonic® Technology helps dew or rainwater drain off in record time so that the facade can dry as quickly as possible. Algae and fungi do not stand a chance, even in damp climates.



StoColor® Lotusan®

Equipped with the unique self-cleaning properties of the Lotus-Effect® Technology, StoColor® Lotusan® keeps facades clean and protects them from algae and fungi in a sustainable way. The microtextured and super-hydrophobic surface maintains an extremely small contact area for dirt and water. The dirt particles, which are loosely adhered to the surface, are simply carried away by the rain.



StoColor® Climasan®

StoColor® Climasan® is an innovative interior flat wall and ceiling coating which, when exposed to a light source, will neutralize odors from the air. StoColor® Climasan® contains Visible Light Catalytics (VLC) that continuously degrade odor-causing organic compounds and pollutants resulting in pure, fresh indoor air.

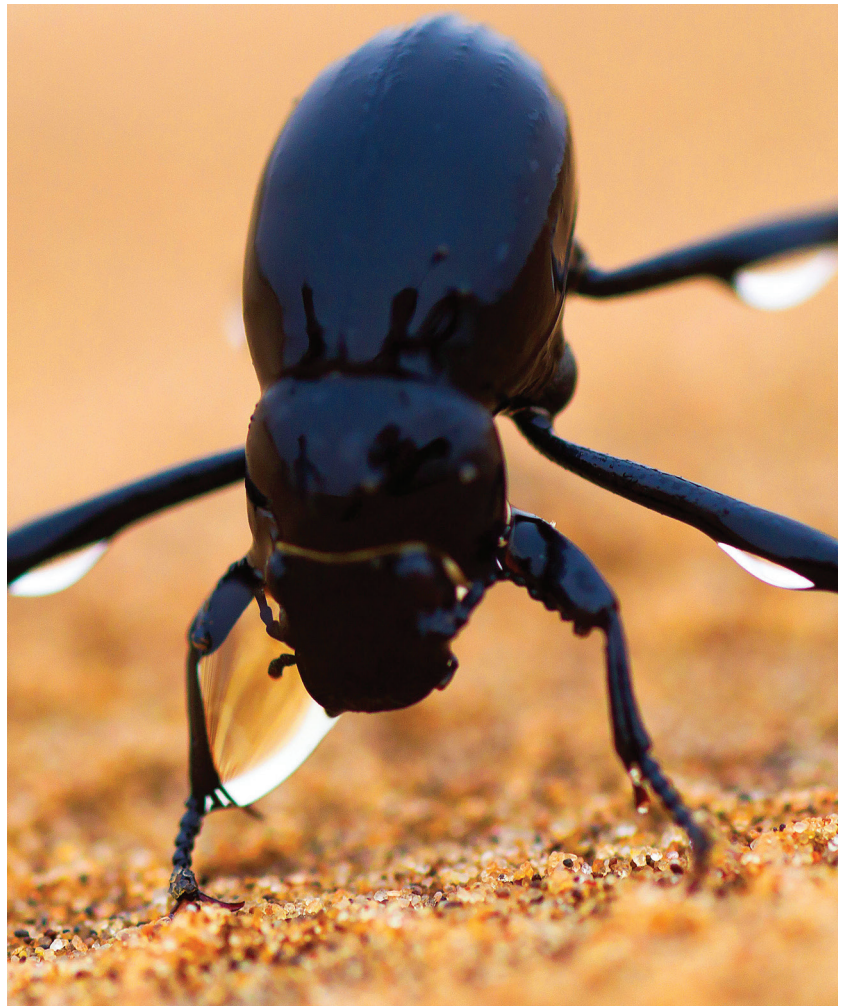
StoColor® Dryonic®

A high performance coating that dries extremely quick after rain, fog or dew, protecting against algae or mold growth.

StoColor® Dryonic®

Sto has mimicked the microstructure shell of the fog-basking beetle to create our Dryonic® Technology. Using an innovative formulation with a clever architecture of binding agent and extender, the surface microtexture causes even the finest mist of water to bead and divert off. The result is an extremely quick drying surface after rain, fog, and dew. This gives the facade an environmentally friendly and long-term safeguard against algae and fungal attack. The Fraunhofer Institute for Structural Durability and System Reliability LBF tested five facade coatings with regard to their drying properties. The result: StoColor® Dryonic® excelled with the fastest drying times.

Irrespective of the choice of color shade, the composition of the substrate, or the prevailing weather conditions, StoColor® Dryonic® provides dry, beautiful, and radiant facades that last.



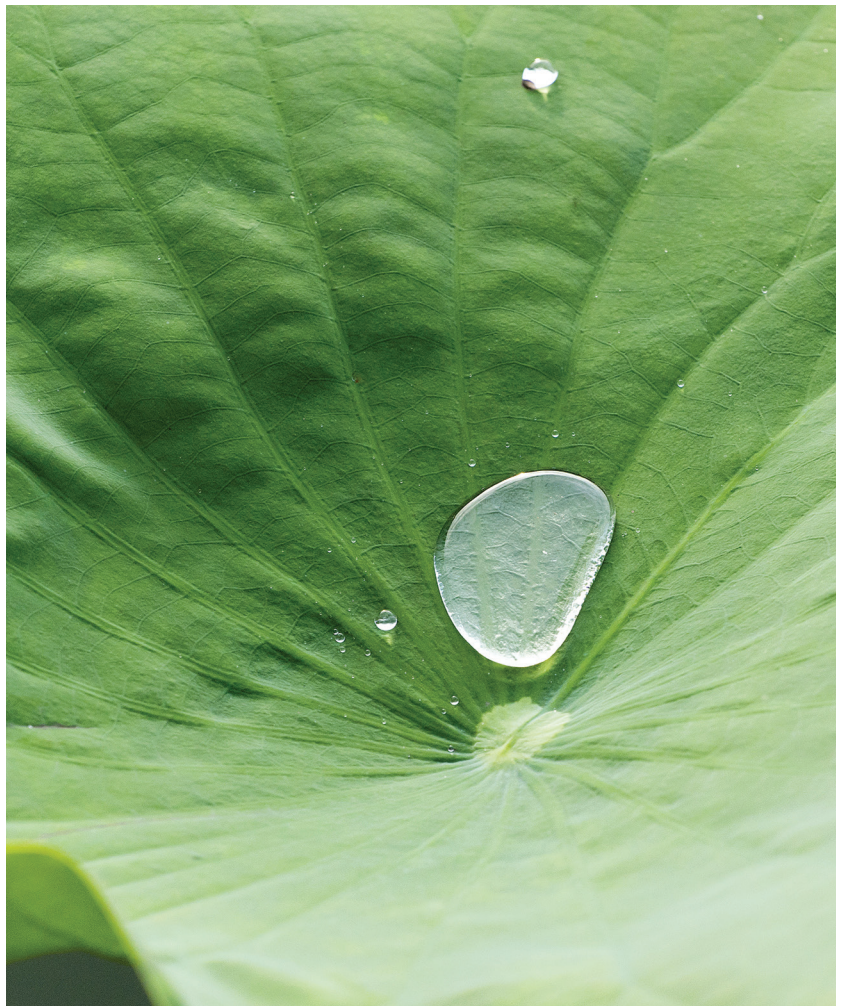
StoColor® Lotusan®

Modeled on the self-cleaning properties of the Lotus leaf, dirt runs off the facade with rain.

StoColor® Lotusan®

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. StoColor® 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 super-hydrophobic properties.

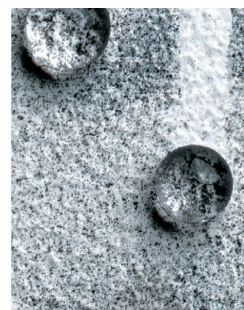
The Lotus-Effect® Technology: Dirt simply runs off with the water that falls on the facade. The facade remains dry and attractive. Even on sides which are particularly exposed to the weather.



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Before



After

StoColor® Climasan®

A coating that reacts with light to neutralize indoor odors and remove harmful airborne pollutants.

StoColor® Climasan®

The principle of photocatalysis is as old as nature itself. Using sunlight and chlorophyll as a catalyst, plants produce oxygen and glucose. StoColor® Climasan® makes use of this effect: light activates a catalyst in the interior coating which neutralizes organic odor substances and pollutants in the ambient air. The result is cleaner, fresher indoor air. All that is required for this process is a natural or artificial light source and a surface coated with StoColor Climasan. Naturally, the greater the light intensity and the larger the surface area, the better the effect.

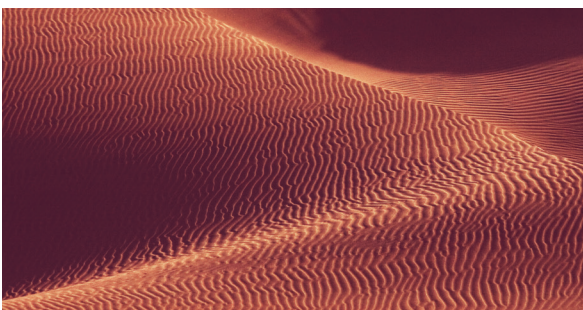
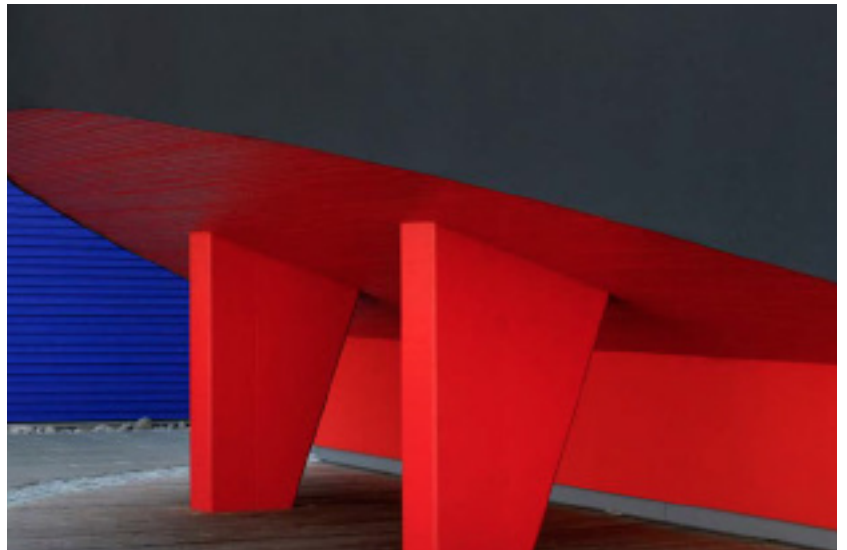


A history of turning inspiration into reality.

Inspiration favors the open mind. With Sto, your creative exploration can take you anywhere. Our proven products give you unmatched freedom and the ability to achieve your vision in any color, any form, any texture, any material.

Now, with Sto Intelligent Technology + Design™ (iQ Technology™), we're drawing upon nature's examples. These remarkable architectural coatings mimic specific features found in nature to optimize functionality and keep our built world beautiful, sustainable and healthy. Follow your inspiration, and Sto will provide everything your building design needs: products, support, services and surfaces.

Creativity Begins. **Sto Finishes.**®



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