



Building with conscience.

StoColor[®] Dryonic[®]

Extremely fast-drying facade coating with Dryonic[®] Technology

Facades



StoColor[®] Dryonic[®] exterior coating with Intelligent Technology + Design[™] (iQ Technology[™]) offers a wide range of design possibilities as well as optimum durability, color stability, and sustainability. Inspired by nature, the innovative formulation dries rain and dew in record time providing environmentally friendly protection against algae and fungal attack.

Sto iQ
Intelligent Technology



An inspired, natural way of keeping facades vibrant and beautiful.

A building's aesthetic depends on more than the colors, materials and original design, it requires high performing materials that help keep facades beautiful. StoColor® Dryonic®, part of Sto's iQ Technology™ family of coatings, combines supreme performance with intelligent technology – for optimum resistance to weathering and protection against algae and fungi.

When it comes to facades, aesthetic appeal is what counts. However, achieving a successful facade design is not simply about choosing the right color. Facade coatings are constantly exposed to weathering and run the risk of fading or being attacked by unpleasant microorganisms, which means they have to be able to do much more.

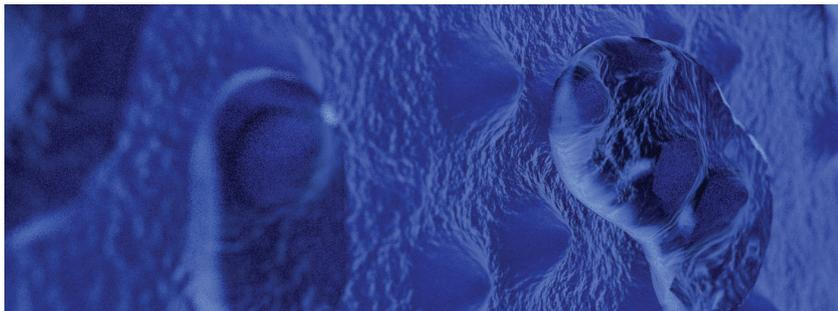
At Sto, we focus on research to develop intelligent coatings with high levels of performance and innovative properties, often looking to nature for inspiration.

StoColor® Dryonic® was inspired by the fog-basking beetle. It lives in the Namib desert and has adapted to the conditions that prevail there perfectly.

For this beetle, constant drought is no problem, as it can turn fog into drinking water.

So what is its secret? Its shell is covered in countless microscopic bumps. Thanks to this unique surface texture, the beetle is able to turn fog into liquid fast: while the hydrophilic tips let the water condense, the hydrophobic depressions in between divert the water away. We took this observation from nature and transferred it into our top-performing facade paints. The paint's special surface texture helps dew and rain on the facade dry in record time, depriving algae and fungi of the nutrients they need to grow. This unique, patented, Dryonic® Technology helps provide bright and gleaming facades on virtually any substrate, year in and year out.

Macro shot of a StoColor® Dryonic® surface – the new biomimetic solution from Sto uses the principle of the fog-basking beetle to produce dry facades.





StoColor® Dryonic®

High performance coating that dries extremely quickly after rain, fog or dew, protecting against algae or mold growth.

StoColor® Dryonic®

We have mimicked the shell of the fog-basking beetle to create our Dryonic® Technology. Using an innovative formulation with a clever architecture of binding agent and extender, a microtexture forms on the coating's surface. The result is an extremely quick drying surface after rain, fog, and dew. And the facade has 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 paints 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.



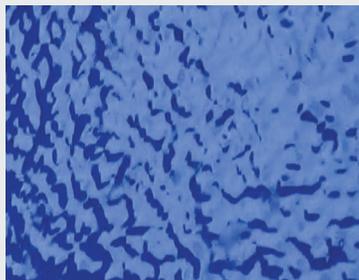
Product advantages

- Biomimetic principle for extremely fast drying after rain or dew
- Highest whiteness
- Wide color range variety and high level of color stability
- Extremely durable (not easily scuffed)
- Very high mechanical resistance
- Texture-retaining
- Pure acrylate binding agent
- Excellent hiding power
- Water vapor permeable
- Alkali-resistant
- Very good adhesion to most substrates
- Highly resistant to fading

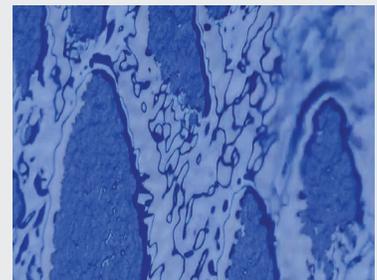
StoColor® Dryonic® comparison test

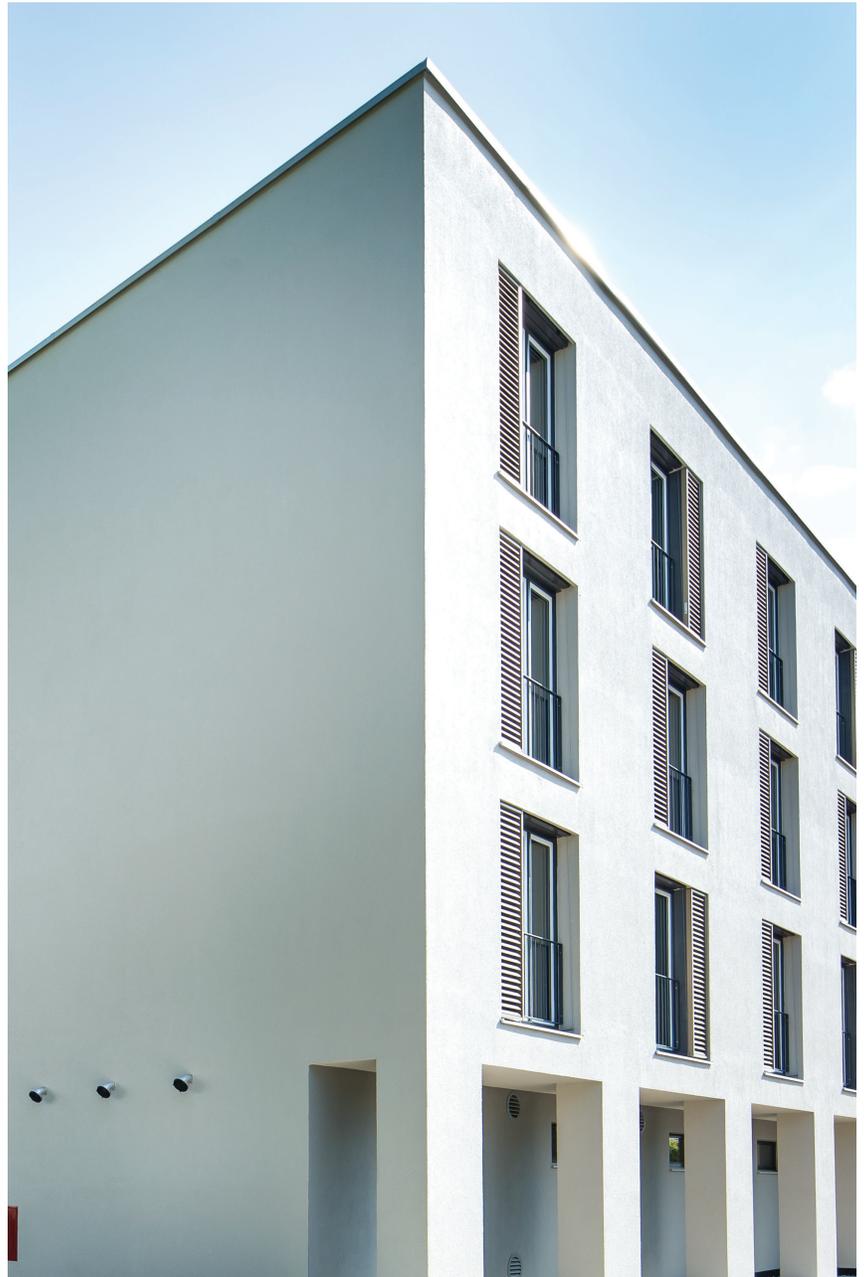
StoColor® Dryonic® excelled. The smallest amount of condensate formed on its surface. Following condensation, it absorbed the least amount of water into its film, and it dried the fastest.

Standard facade paint



StoColor® Dryonic®





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