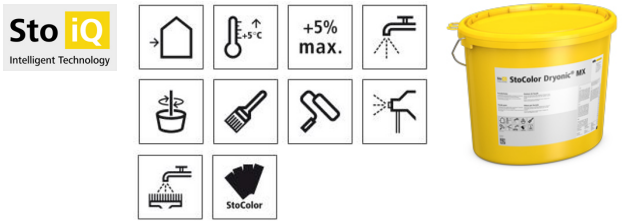
Technical Data Sheet
StoColor Dryonic®

Biomimetic Facade paint with Dryonic® Technology, for dry and clean facades to protect against algae and fungal attacks, with SunBlock and X-black Technology.



Characteristics

Area of application

- exterior
- for non-dimensionally-stable and semi-dimensionally-stable masonry, mineral and wooden substrates

Properties

- biomimetic principle for fastest drying after rain or dew formation
- X-black Technology keeps the temperature safely under +65 °C
- highest colour shade variety and stability thanks to the SunBlocker Technology
- highly weather-resistant
- high level of resistance to mechanical stress
- pure acrylate binding agent
- very good hiding power
- water vapour permeable
- non-drip
- with encapsulated film protection
- texture-retaining
- very good adhesion to all substrates commonly used in construction

Appearance

- matt (G3) in accordance with EN 1062-1
- depending on the angle and type of surface seems silk matt

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density		1.15 - 1.25 g/cm³	
Water permeability rate w	EN 1062-1	< 0.05 kg/(m²h^{0,5})	W3 low
Gloss	EN 1062-1	Matt	G3
Dry layer thickness	EN 1062-1	110 µm	E3 > 100; ≤ 200
Grain size	EN 1062-1	< 100 µm	S1 fine

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The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

Requirements

The substrate must be firm, dry, clean, load-bearing, and free from release agents. It must be professionally prepared.

Substrate must be sound, clean, load bearing, and dry uncured damp surfaces can cause blisters in the coating
Moisture for softwood: max 15 %.

Preparations

Check whether existing coatings are load-bearing. Remove any non load-bearing material or structurally weak coatings.
Existing coatings:
Clean and sand existing paint to prepare the surtface.
Sand down grey and weathered wood surfaces to clean new sound timber.

Application

Application temperature

Lowest temperature of substrate and air: +5 °C
Highest temperature of substrate and air: +30 °C

The substrate temperature must be above the dew point temperature. The recommended difference is +3 °C.

Material preparation

The material is ready-to-use after stirring.
Dilute up to 3 % with water 300 ml / 10lt pail

Consumption

Type of application	Approx. consumption	
per paint coat	0.12 - 0.15	l/m²
for 2 application cycles	0.24 - 0.30	l/m²

Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project and surface profile.

Coating build-up

Substrate coating: Acrylic timber primer or Stoplex W for bare masonry or powdery surfaces

Intermediate coat: StoColor Dryonic®

Finish: StoColor Dryonic®

	Depending on the substrate and colour shades, further coats maybe necessary. The technical data are based on a double paint coat. See the appendix for more information about the coating system.
Application	by paint brush, by roller, by airless sprayer Low-overspray application with an airless sprayer: Nozzle: 316 - 319 DD Pressure: 110 - 130 bar Use a Metex Reuse or a bucket sieve. Airless sprayer: inoSPRAY A 5000 or a comparable device Select the airless sprayer according to the size of the project. If necessary create a sample surface area and approve it. Recommendation: Use a nozzle extension and a flexible whip hose. After applying with an airless sprayer, rework the surface using a paint brush.
Drying, curing, ready for next coat	At +20 °C temperature (air and substrate) and 65 % relative air humidity: dust-dry after 1 hour, over-coatable after approx. 4 hours. High humidity and/or low temperature prolong the drying time. During unfavourable weather conditions, protect the work in progress or newly-finished facade surface using suitable protective measures, e.g. protection against rain.
Cleaning the tools	Clean tools with water immediately after use.
Delivery	
Colour shade	white, tintable in accordance with the StoColor System Tinted material: Before application, check that the material corresponds to the colour shade ordered. Slight colour shade deviations compared with previous deliveries are possible. Only use deliveries with the same batch number on one surface. Mix different batches before application.

	Colour stability: The effects of weather, moisture, UV radiation, and deposits can alter the surface of the coating. Changes in colour shade are possible. The change process is dynamic and influenced by climatic conditions and exposure. National regulations, data sheets etc. apply.
Tintable	Possible to tint with max. 1 % StoTint Aqua.

Storage	
Storage conditions	Store tightly sealed in frost-free conditions. Protect from heat and direct sunlight.
Storage life	The quality of the product in its original container is guaranteed until the maximum storage life has expired. The storage life information is included in the batch number on the container.

Identification	
Product group	Facade paint

Composition	
	In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings polymer dispersion titanium dioxide silicate extenders water alcohols glycol ether surface additive thickener stabilisers dispersing agent anti-foaming agents hydrophobic agents coating protection agent based on 3-Iodo-2-propynyl butylcarbamate (IPBC) coating protection agent based on DCOIT/OIT
Safety	Observe the Safety Data Sheet! Safety instructions refer to the ready-to-use, unapplied product.

EUH210	Safety data sheet available on request.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 2-octyl-2H-isothiazol-3-one, 5-chloro-2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. These are preservatives. Avoid contact with the skin and the eyes.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use.
Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.