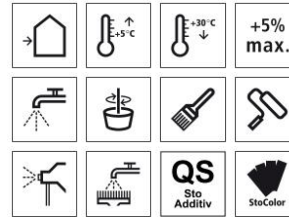


Technical Data Sheet

StoColor Maxicryl

Facade paint for maximum colour shade variety and stability



Characteristics

- Area of application**
- exterior
 - for paint coats with intense colour shades on mineral and organic substrates
 - not suitable for horizontal or sloping surfaces that are subject to weathering (does not apply to StoDeco Facade Elements)

- Properties**
- texture-retaining
 - very highly water-repellent
 - water vapour permeable
 - alkali-resistant
 - very good adhesion
 - pure acrylate binding agent
 - especially for intense colour shades
 - very good hiding power

- Appearance**
- matt

- Information/notes**
- exclusively with non-persistent encapsulated film protection

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.4 - 1.5 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783	1.14 - 1.33 m	V2 medium
Water permeability rate w	EN 1062-1	< 0.05 kg/(m ² h ^{0.5})	W3 low
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783	7,500 - 8,900	
Gloss	EN 1062-1	G3 - Matt	G3
Dry layer thickness	EN 1062-1	150 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 sinter layers, efflorescence and release agents. Damp or not fully cured substrates can lead to defects in the subsequent coatings, e.g. bubble formation, cracks.

Preparations

Check whether existing coatings are suitable and load-bearing. Remove any non load-bearing or structurally weak coatings.

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

Usage as an intermediate coat: dilute with max. 5 % water.
 Usage as a finish: dilute with max. 5 % water.
 For application by machine: dilute max. 3 % with water.

Dilute with as little water as possible to achieve application consistency. Stir the material well before application. Do not dilute intensely tinted material, or only use very little water. Too much dilution impairs the properties of the material, e.g. with regard to application, hiding power, and colour shade intensity.

Consumption

Type of application	Approx. consumption	
per paint coat	0.15 - 0.18	l/m ²
for 2 coats	0.30 - 0.36	l/m ²

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.

Coating build-up

Primer:
 Depending on the type and condition of the substrate, it may be necessary to apply consolidating, absorbency-regulating prime coatings.
 If using on a mineral substrate, we recommend using an absorbency-equalising and adhesion-promoting primer.
 Note:
 If the primer is omitted, this can impair the application properties and the product's appearance. products: e.g. StoPrim Micro, StoPrim Sol GT

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Intermediate coat:
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Finish:
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Depending on the substrate and colour shades, further paint coats are necessary.

The technical data are based on a double paint coat.

Application

by paint brush, by roller, by airless sprayer, by machine

General information on installation:
Use a nozzle extension and a flexible whip hose.

Low-overspray application with an airless sprayer:
nozzle size: 0.017–0.025 inch
spray pressure: approx. 80–120 bar

Note:

- The nozzle and pressure information are recommendations. The settings and specifications to achieve an optimum result may change depending on the machine type and project conditions. Additional information can be obtained from the machine manufacturer.

Drying, curing, ready for next coat

Higher humidity, lower temperatures, and low air exchange prolong the curing and drying times.

During unfavourable weather conditions, apply suitable protective measures (e.g. protection against rain) to the work in progress and freshly completed facades.

At +20 °C temperature (air and substrate) and 65 % relative air humidity: over-coatable after approx. 8 hours.

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.

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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.

Extender material breakdown:

Mechanical stress can damage the extenders in the material and lead to lighter marks. This does not influence the product quality or functionality.

Colour accuracy:

Different weather and project conditions influence colour shade accuracy and colour shade uniformity. Avoid the following conditions (a - d) in every case:

- a) uneven absorbency of the substrate
- b) different levels of substrate moisture over an area
- c) partly very different alkalinity and/or substances in the substrate
- d) direct sunlight with sharp, clear shadows on a still-damp coating

Washout of processing aids:

If water such as condensation, fog, or rain comes into contact with not fully dry coatings, processing aids may be released from the coating and build up on the surface. Whether the effect is strongly visible or not depends on the intensity of the colour shade. This does not influence the product quality. The effects disappear when the surface is exposed to further weathering.

Tintable	Tinting with StoColor Tint or tintable by customer with max. 1 % StoTint Aqua.
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Packaging	Pail
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Storage

Storage conditions	Store in tightly sealed original container in cool and frost-free conditions. Protect from direct sunlight.
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Storage life	<p>Provided the storage conditions are adhered to, the quality of the product in its unopened, original container is guaranteed until the maximum storage life has expired. The storage life can be deduced from the batch number of the container.</p> <p>Batch number explanation: Number 1 = the last number of year, numbers 2 + 3 = a calendar week example: 6450013223 – storage life until week 45 of 2026</p> <p>Use promptly after opening. Contamination, e.g. due to a soiled tool, can shorten the shelf-life.</p>
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Identification

Product group	Facade paint
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Composition

In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings
 Polymer dispersion
 titanium dioxide
 mineral extenders
 silicate extenders
 Water
 Glycol ether
 aliphatics
 alcohols
 Thickener
 anti-foaming agents
 dispersing agent
 wetting agents
 coating protection agent based on DCOIT/OIT
 Storage protection agent based on BIT/MIT (1:1)

Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
 Observe the Safety Data Sheet!
 Safety instructions refer to the ready-to-use, unapplied product.

May cause an allergic skin reaction. Avoid breathing vapours. Wear protective gloves. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse. Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

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.

Technical Data Sheet

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