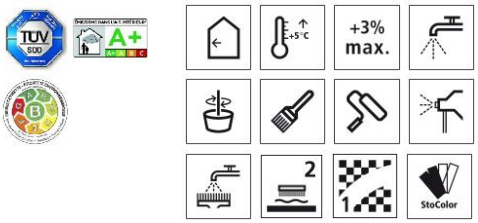
Technical Data Sheet
StoColor Climasan

Odour-reducing, dead-matt interior emulsion paint, tested for harmful substances, wet-scrub resistance 2 and hiding power 1 in accordance with EN 13300



Characteristics

Area of application

- interior
- for wall and ceiling surfaces with a sufficient light source
- particularly suitable for rooms subject to odours and harmful substances

Properties

- breaks down harmful organic substance and odours
- effective without UV light
- very good hiding power
- resistant to surface disinfectants
- solvent- and plasticiser-free, low-emission
- TÜV seal of quality - externally monitored
- free from substances that contribute to "black dust" on walls

Appearance

- dead-matt in accordance with EN 13300

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.3 - 1.5 g/cm³	
Diffusion-equivalent air layer thickness	EN ISO 7783	< 0.1 m	V1 high
Wet scrub resistance	EN 13300	class 2	
Hiding power	EN 13300	class 1	
Spreading rate	EN 13300	7 m²/l	
Water vapour diffusion-equivalent air layer thickness µ	EN ISO 7783	144	average value
Gloss	EN 13300	Dead-matt	
Maximum particle size	EN 13300	fine	

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.

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Substrate	
Requirements	The substrate must be firm, dry, clean, load-bearing, and free from sinter layers, efflorescence and release agents.
Preparations	The preparation of the substrate and the execution of the coating work must correspond to the generally recognised technological norms. All coatings and preliminary work should always be geared towards the project and the requirements it is exposed to. Remove loose paint remnants, as well as non-load bearing existing paint coats and coatings, and clean the surface (mechanically or using a suitable paint remover). Prime coatings must not form a glossy layer. Normal and strongly absorbent substrates: Prime with StoPrim Plex. StoPrim Plex is ready-to-use and, depending on the absorption capacity of the substrate, dilutable with up to max. 30 % water. Weakly absorbent substrates: Prime with StoPrim Color. Water-soluble ingredients: Isolate with StoPrim Isol. StoPrim Isol is ready-to-use and should not be diluted. Intact, two-component coatings, non-ferrous metals, plastics: Prime with StoAqua EP Active. Mould-infested areas: Clean and disinfect with StoPrim Fungal. When coating acrylic joint filling compounds and sealants, cracks and/or discolouration in the paint coat can occur due to the higher elasticity of the acrylic waterproofing compound. Due to the wide range of products on the market, perform your own tests to assess the adhesion. The coating layer build-ups and recommendations listed do not release the applicator from his or her own responsibility for substrate testing and assessment.

Application	
Application temperature	Lowest substrate and air temperature for application: +5 °C
Material preparation	Intermediate coat diluted with max. 3% water. Finish diluted with max. 3 % water.

Use as little water as possible to achieve application consistency. Stir well before application. For machine application, the amount of water to add depends on the requirement of the respective machine/pump. As a rule, strong colour shades need less added water to achieve the optimum application consistency. Diluting the material too much will make application more difficult and will result in poorer characteristics (e.g. hiding power, colour shade).

Consumption

Type of application	Approx. consumption	
per paint coat	0.14 - 0.17	l/m²
for 2 application cycles	0.28 - 0.34	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.

Coating build-up

Substrate coating:
Depends on the type and condition of the substrate.

Intermediate coat:
StoColor Climasan

Finish:
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Depending on the colour shade and type of the substrate, further coats may be necessary.

Application

by paint brush, by roller, by airless sprayer

Apply wet-on-wet over continuous areas to avoid marks between dry and drying surfaces.

By airless sprayer:
Nozzle: 0.018" - 0.026"
Pressure: 150 - 180 bar
Angle of nozzle: 50°
Dilution: approx. 3 % with water

If the product is used in the acoustic area, it can only be applied with the low pressure method.
For spraying with low-pressure method, use a gun with a 2.5 - 3.0 mm nozzle, the Sto-Hopper Gun with a 4 mm nozzle, or low-pressure equipment e.g. from Chiron, Graco, Sata, Storch, or Wagner. Leave the first layer to dry for min. 24 hours at +18 °C and max. 70 % relative humidity. Apply a second layer if necessary.

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Drying, curing, ready for next coat	Fully dry and resistant after approx. 3 - 4 days. High humidity and/or low temperatures prolong drying. At +20 °C temperature (air and substrate) and 65 % relative air humidity: over-coatable after approx. 6 hours.
Cleaning the tools	Clean tools with water immediately after use.
Notes, recommendations, special information, miscellaneous	Note on drying: The gypsum filler compounds recommended by gypsum plasterboard manufacturers can be particularly sensitive to humidity. This sensitivity can cause blistering, swelling of the fillers, and spalling. Hence, in its data sheet 'Verspachtelung von Gipsplatten' (Filling gypsum boards), the Bundesverband der Gipsindustrie e.V. (Federal Association of the Gypsum Industry) recommends that rapid drying be encouraged by adequate ventilation and temperature. Unfavourable light conditions (glancing light): In case of smooth surfaces with unfavourable light conditions (glancing light), we recommend using StoColor Rapid Ultramatt.
Delivery	
Colour shade	white, aged white AW11/AW15, STH01 (RAL 9010), STH02 (NCS S 0500N), limited tintability in accordance with the StoColor System Extender material breakdown: When coated surfaces are exposed to mechanical impact it is possible that for darker, intense colour shades the areas of impact change to a lighter colour. This is due to the natural extenders used. This does not impair the quality and functionality of the product. Colour accuracy: Due to the chemical and physical setting processes at different project conditions, it is not possible to give any warranty for uniform colour accuracy and freedom from stains especially with regard to: a) uneven absorption of the substrate b) different substrate moisture levels c) partially very different alkalinity/substances in the substrate. Note: Areas that have been touched up, repaired, and refinished may show up. This depends on many factors, which is why the BFS data sheet No. 25 states that this cannot be avoided, even when the original coating material is used.
Tintable	Can be tinted by the user with max. 1 % StoTint Aqua.
Packaging	Pail

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Storage	
Storage conditions	Store tightly sealed in frost-free conditions.
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. Explanation of batch no.: digit 1 = last digit of the year, digits 2 + 3 = calendar week Example: 9450013223 - storage life ends week 45in 2019

Certificates/approvals		
	TÜV - Certificate No. TM-07/170327-3	StoColor Climasan (low-emission, physiologically harmless, and production monitored) Assessing emissions
	Test report BBH-15/2005	StoColor Climasan Odour reducing properties
	ofi - Evaluation	StoColor Climasan - photocatalytic activity Assessing photocatalytic activities
	Zertifikat - Photokatalyse	StoColor Climasan Certificate

Identification	
Product group	Interior emulsion 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 thickener anti-foaming agents dispersing agent wetting agents storage protection agent based on BIT/MIT (1:1)
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-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

These are preservatives.

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.

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