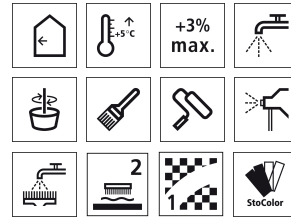


Technical Data Sheet

StoColor Climasan

Physiologically harmless, odour-reducing, dead-matt interior dispersion paint, 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 with a high odour level and for contaminated rooms

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 fogging-active substances

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/cm ³	
Spreading rate	EN 13300	7 m ² /l	
Gloss	EN 13300	Dead-matt	
Wet scrub resistance	EN 13300	Class 2	
Hiding power	EN 13300	Class 1	
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.

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

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defects in following layers, such as bubble formation or cracks. Therefore do not apply onto damp or soiled substrates.

Preparations

Old substrates:

Remove non load-bearing paint remnants as well as non load-bearing old (paint) coats and then clean the substrate (mechanically or using a suitable paint remover).

Plasters of mortar groups PG II + III:Do

Coat firm, normally absorbent substrates without pre-treatment. Prime large-pored, crumbling, highly absorbent plasters with StoPrim Plex.

Gypsum and pre-mixed plasters of mortar groups PG IV (not for mortar group IV d) + V:

Prime with StoPrim Plex.

Gypsum construction board:

Apply a substrate coating of StoPrim Plex to absorbent boards.

Gypsum plasterboards:

Prime the gypsum surface including the sanded filler coat with StoPrim Plex.

In case of visible yellowing, apply an additional blocking coat of StoPrim Isol (see BFS data sheet 12). According to the gypsum plasterboard manufacturing industry data, prolonged exposure of gypsum surfaces to light can result in discolouration and subsequent colour variations of the final plaster layer and paint coats. To assess the potential risk, carry out a sample coat across several board areas, including the filled areas.

A hairline-crack-bridging coating in accordance with German construction contract procedures (VOB) Part C, DIN 18363, Paragraph 3.2.1.2 can be ensured by large-area reinforcement, e.g. with StoTap Pro 100 S or StoTap Pro 100 P.

Concrete:

Remove contaminants due to formwork oil, grease, and wax. Touch up gaps and blow-holes with StoLevell In Z. Prime with StoPrim Plex.

Porous concrete:

Prime with StoPrim Plex and apply a smoothing filler.

Fair-faced brick masonry:

Prime with StoPrim Plex.

Wood, hardboard, particle board, and plywood boards:

Prepare waxed boards accordingly. Prime with StoPrim Plex or Sto-AquaPrime.

Load-bearing coats:

Rework matt, weakly absorbent coatings directly. Roughen glossy surfaces and lacquer coats and apply an intermediate coat of StoPrim Color. Prime highly absorbent old emulsion paint coats with StoPrim Plex.

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Old lime and mineral paints and coatings:
Remove by mechanical means and dust off the surfaces as much as possible.
Prime with StoPrim Plex.

Distemper paint coats:
Wash off thoroughly and treat the substrate accordingly.

Non-adherent wallpapers:
Remove all traces of the wallpaper. Wash off any remains of wallpaper paste and lining paper. Seal gaps with StoLevell In Fill and then treat them accordingly.

Mould-infested surfaces:
Remove mould layers through wet cleaning (e.g. brushing or scraping off). After-treatment with StoPrim Fungal. Priming depends on the type and composition of the substrate.

Surfaces with nicotine, water, soot or grease stains:
Wash off the surfaces with water and added grease-dissolving household cleaner, allow to fully dry and brush off. Apply an isolating substrate coating of StoPrim Isol; a second prime coating may be required depending on the conditions.

When coating acrylic joints and waterproofing compounds, cracks and/or discolouration in the coat can occur due to the higher elasticity of the acrylic waterproofing compound. Due to the wide range of products on the market, carry out your own tests to assess the adhesive capacity.

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/m ²
for 2 application cycles	0.28 - 0.34	l/m ²

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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 spray-gun, only mist application is possible in the acoustic area

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

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

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):

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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 behaviour of the substrate
b) different substrate moisture levels
c) partially very different alkalinity/substances in the substrate.

Note:
If the material is tinted, the pigment paste adds small amounts of solvent to the product.

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

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 date can be deduced from the batch number of the container.
Batch number explanation:
Number 1 = the last number of year, numbers 2 + 3 = a calendar week
e.g.: 8450013223 – storage life until week 45 of the year 2018

Certificates/approvals

TÜV - Certificate No. TM-07/140714-2	StoColor Climasan (low-emission, physiologically harmless, and production monitored) Assessing emissions
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Test report BBH-15/2005	StoColor Climasan Odour reducing properties
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Photokatalytischen Aktivitäten	StoColor Climasan Assessing photocatalytic activities
Photokatalyse-Zertifikat	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 filler materials, kaolin, water, additives, preservatives

Safety Observe the Safety Data Sheet!

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.

Sto SE & Co. KGaA
Ehrenbachstr. 1
79780 Stühlingen / Germany
Phone: +49 7744 57-0
Fax: +49 7744 57-2178
Infoservice.export@sto.com
www.sto.com