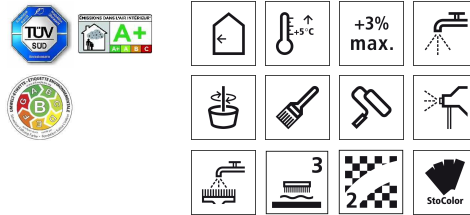


Technical data sheet

StoColor In

Physiologically harmless, dead-matt interior dispersion paint, wet scrub resistance class 3 and hiding power class 2 in accordance with EN 13300



Characteristics

- Areas of application**
- interior
 - onto wall and ceiling surface areas

Properties

- high degree of whiteness
- non-combustible or of limited combustibility, depending on build-up
- 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 regulation	Value/ Unit	Notes
Density	EN ISO 2811	1.4 - 1.5 g/cm ³	
Spreading rate	EN 13300	7 m ² /l	
Gloss	EN 13300	dead-matt	
Wet scrub resistance	EN 13300	class 3	
Hiding power	EN 13300	Class 2	
Maximum grain size	EN 13300	fine	

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The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that 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, and load-bearing, as well as free from sinter layers, efflorescence and release agents. Damp or not fully cured substrates can lead to 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 not pre-treat solid, normally absorbent substrates before coating them. 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 coat in accordance with VOB Part C, DIN 18363, Paragraph 3.2.1.2 is ensured through full-surface reinforcement, e.g. with StoTap Pro 100 S or StoTap Pro100 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.

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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 dispersion paint coats with StoPrim Plex.

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 waste 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). Subsequent 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 that has grease-dissolving household cleaner added to it, 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

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application. For machine application the amount of water added depends on the requirement of the respective machine/pump. As a rule, in case of strong colour shades less water needs to be added 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	0.13 - 0.15	l/m ²
	for 2 application cycles	0.26 - 0.30	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 procedure	Substrate coating: Depends on the type and condition of the substrate.
	Intermediate coat: StoColor In
	Finish: StoColor In
	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
	Apply the paint wet-on-wet to avoid seams 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.

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At +20 °C (air and substrate temperature) and 65 % relative air humidity, the next coat can be applied after approx. 6 hours.

Cleaning the tools

Clean tools with water immediately after use.

Indications, 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), STH04 (RAL 9016), tintable 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.

We recommend wet scrub resistance class 1 and mid sheen or gloss surfaces (StoColor Opticryl Satinmatt / Satin / Gloss) in case of bright or intense colour shades. This makes the surface easier to clean and increases the resistance to mechanical stress in heavily frequented areas.

Colour accuracy:

It is not possible to give any warranty for uniform colour accuracy and freedom from stains due to chemical and physical setting processes and different conditions, 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:

When tinting the material, the pigment paste adds small amounts of solvent to the

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product.

Areas that have been repaired, reworked and made good may show up through the finishing coat. 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.
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Packaging	pail
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Storage

Storage conditions	Store tightly sealed in frost-free conditions.
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Storage life	<p>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.</p> <p>Batch number explanation: Number 1 = the last number of year, numbers 2 + 3 = a calendar week i.e.: 5450013223 – storage life until week 45 of the year 2015</p>
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Certificates/approvals

TÜV - Certificate No. TM-07/150401-2	StoColor Sil In (low-emission, physiologically harmless, and production monitored) Assessing emissions
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Identification

Product group	Interior dispersion 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, calcium carbonate, kaolin, silicate filler materials, water, additives, preservatives
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Safety

Please observe the safety data sheet

Special notes

The information or data 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. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation. Where no approval is given, such applications are at the risk of the user. This applies particularly to combinations 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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