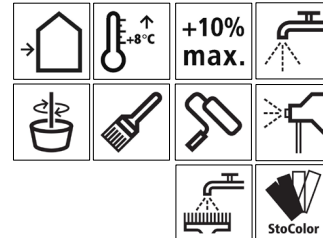


Technical Data Sheet

StoColor Sil

Facade paint on a silicate base



Characteristics

- Area of application**
- Exterior
 - Onto mineral and silicate substrates
 - Not suitable for horizontal or sloping surfaces subject to weathering

- Properties**
- Texture-retaining
 - Very good hiding power
 - Water-repellent
 - Water vapour permeability
 - High colour stability for a silicate paint
 - Without biocide film protection

- Appearance**
- Matt

- Information/notes**
- Dispersion silicate paint in accordance with DIN 18363

Technical Data

Criteria	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.5 - 1.6 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783-2	< 0.01 m	V1 high
Water permeability rate w	EN 1062 -1	< 0.1 kg/(m ² *h ^{0.5})	W3 low
Water vapour diffusion - equivalent air layer thickness μ	EN ISO 7783-2	50	Average value
Gloss	EN 1062-1	Matt	G3
Dry layer thickness	EN 1062-1	220 μm	E3 > 100; ≤ 200
Grain size	EN 1062-1	< 100 μm	S1 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 defects in subsequent coats, such as blistering or cracks..

- Preparations**
- Check existing coatings for their load-bearing capacity. Remove any non-load bearing or structurally weak coatings.

Application

- Application temperature**
- Lowest temperature of substrate / air : +8°C
 Highest temperature of substrate / air: +30°C

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Material preparation	<p>Intermediate coat diluted with max. 10% water. Finish diluted with max. 10% 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).</p>						
Consumption	<table border="1"> <thead> <tr> <th>Type of application</th> <th>Approx. consumption</th> </tr> </thead> <tbody> <tr> <td>Per paint coat</td> <td>0.15 - 0.20 lit/m²</td> </tr> <tr> <td>For 2 coats</td> <td>0.30 - 0.40 lit/m²</td> </tr> </tbody> </table> <p>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.</p>	Type of application	Approx. consumption	Per paint coat	0.15 - 0.20 lit/m ²	For 2 coats	0.30 - 0.40 lit/m ²
Type of application	Approx. consumption						
Per paint coat	0.15 - 0.20 lit/m ²						
For 2 coats	0.30 - 0.40 lit/m ²						
Coating build-up	<p>1) 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 : StoPlex W</p> <p>2) Intermediate coat: StoColor Sil</p> <p>3) Top Coat: StoColor Sil Depending on the substrate and colour shades, further paint coats are necessary. The technical data are based on a double paint coat.</p>						
Application	<p>By paint brush, by roller, by airless spray-gun Sprayable without producing major mist : Nozzle: 4/17 - 4/25 Pressure: 100 - 150 bar Recommendation :Use a nozzle extension and a flexible whip hose to achieve optimum results.</p>						
Drying, curing, ready for next coat	<p>When there is high humidity and/or low temperatures, the drying process will be delayed accordingly. During unfavourable weather conditions it is very important to apply suitable protective measures (e.g. protection against rain) to the work in progress and freshly completed facades. Successive coats may be applied after 8 hours when the air and foundation/base temperature is of about +20°C and the humidity level I is of 65%..</p>						
Cleaning the tools	<p>Tools must be cleaned immediately after use with cleaning water</p>						

Technical Data Sheet

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Delivery

Colour shade	White, Limited tintability in accordance with the StoColor System
	<p><u>Colour stability:</u> The effects of the weather, humidity, UV radiation, and deposits can lead to changes in the coating surface over time. This can result in colour changes.</p> <p>This is a dynamic process, which varies according to climate conditions and the degree of exposure. National regulations, data sheets etc. apply.</p> <p><u>Extender material breakdown:</u> 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.</p> <p>This is due to the natural extenders used. This does not impair the quality and functionality of the product.</p> <p><u>Colour accuracy:</u> It is not possible to give any warranty for uniform colour accuracy and freedom from stains due to chemical and/or physical curing processes and fluctuations in the weather and different substrate conditions, especially in the case of:</p> <ul style="list-style-type: none"> a) uneven absorption behaviour of the substrate b) different substrate moisture levels over the entire surface c) partially very different alkalinity/substances from the substrate d) direct sunlight with sharply delineated shadowing on the freshly applied coating.

Packaging	Article number	Name	Packing
	00207-039	StoColor Sil White	15 lit
	53000-347	StoColor Sil, Tinted	15 lit

Storage

Storage conditions	Store in cool dry conditions; avoid direct sunlight.
Storage life	<p>The quality of the material in its original container is guaranteed for the maximum stated storage life. The storage life information is included in the batch number on the container.</p> <p>Batch number explanation: Number 1 = the last number of year, numbers 2 + 3 = a week i.e.: 1450013223 – stock date until the 45th week of the year 2021</p>

Identification

Product group	Facade Paint
Safety	Please refer to Safety Data Sheet.

Technical Data Sheet

StoColor Sil

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 www.sto-sea.com.

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*Product images may differ from the actual product.