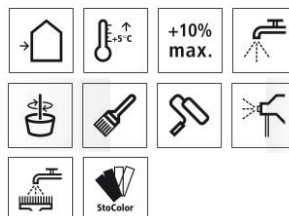


## Technical Data Sheet

### StoColor Silco

Silicone resin based façade paint



#### Characteristics

- Area of application**
- Exterior
  - for paint coats with reduced adhesion of dirt particles, suitable for mineral and organic, non-elastic substrates
  - not suitable for surfaces that are horizontal (e.g. including joint areas in masonry) or sloping and subject to weathering

- Properties**
- Water dilutable, physiologically and ecologically safe (free from aromatic solvents)
  - Outstanding water vapour permeability due to the micro-porous structure
  - Excellent resistance to driving rain due to the water repellent silicone binder base
  - Highly resistant to ageing and to aggressive atmospheric conditions
  - Excellent adhesion to mineral and organic substrates
  - Increased resistance against dirt and algae attack
  - "Mineral" matt finish
  - Low tension drying (due to its composition)

**Appearance** Matt

**Application** Apply by brush roller or airless spray

#### Technical data

Criteria	Test Standard	Value	Unit
Density	DIN 53217	1.50	g/cm <sup>3</sup>
Solids content		64	%
pH value		8 - 9	
Water vapour diffusion :			
Water vapour transmission rate V	DIN EN ISO 7783-2	70-85 (Class II)	g/m <sup>2</sup> .d
Equivalent to air layer thickness sd (thickness = 140 µm)	DIN EN ISO 7783-2	0.20-0.33	M
Water vapour diffusion resistance factor	DIN EN ISO 7783-2	1350-1700	
Water permeability : Liquid-water transmission rate w	DIN EN 1062-3 § 10	< 0.10 (Class III)	kg/m <sup>2</sup> . H <sup>0.5</sup>
Lightness	DIN 53 778	88	%
Brightness	CIE	78	%

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.

#### Application

**Substrate** The substrate should be clean, dry and free from efflorescence and separating agent. Remove any loose paint and plaster coatings. New mineral plasters should be left to harden for at least 14 days.

**Material preparation** StoColor Silco is supplied ready to use but can be diluted by up to 10% with clean water.

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<b>Coating procedure</b>	<p><u>Priming Coat (if necessary)</u> Prime with suitable Sto Primer depending on type and condition of substrate.</p> <p><u>Intermediate Coat</u> StoColor Silco, diluted by up to 5 - 10% with clean water.</p> <p><u>Top Coat</u> StoColor Silco, diluted by up to 5% with clean water.</p>
<b>Curing time</b>	<p>Overcoat approx. 4 hours Drying time will be prolonged by low temperatures and/or high humidity</p>
<b>Consumption</b>	<p>Approx. 0.20 - 0.35 l/m<sup>2</sup> for two coats. Consumption will vary according to the substrate and the method of application</p>
<b>Application temperature</b>	<p>Minimum application temperature +8°C Maximum application temperature +45°C</p>
<b>Cleaning of tools</b>	<p>Tools can be cleaned immediately after use with water.</p>
<b>Delivery</b>	
<b>Colour</b>	<p>Available in white and tinted to selected colours of the StoColor System. During strong mechanical load it is possible that with intensive colours, discoloration may occur. However, the product quality and functionality are not affected.</p> <p><b>Colour stability:</b> The effects of the weather, humidity, UV irradiation and deposits can lead to changes in the coating surface over time. This can result in colour changes. This is a dynamic process which varies according to climate conditions and the degree of exposure. The respective current national regulations, data sheets, etc. apply.</p> <p><b>Filler break:</b> When coated surfaces are exposed to mechanical stress it is possible that, due to the natural calibration grains used for darker, more intense colour shades, the areas of impact change to a lighter colour. This does not affect the quality and functionality of the product.</p> <p><b>Colour accuracy:</b> 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> <ol style="list-style-type: none"> <li>a) uneven absorption behaviour of the substrate</li> <li>b) different substrate moistures over the entire the surface</li> <li>c) partially very different alkalinity/substances from the substrate</li> <li>d) direct solar radiation with sharply delineated shadowing on the freshly applied coating.</li> </ol> <p><b>Emulsifier washouts:</b> Due to conditions which delay drying, surface effects (streaking) can occur on coatings which are not yet fully-dried during initial stages of weathering caused by dew, mist, water spray or rain because of water-soluble additives. Depending on the colour intensity, this effect can occur to varying degrees. This does not constitute an impairment of product quality. These effects are normally removed automatically on further weathering</p>
<b>Packing</b>	<p>StoColor Silco is available in 15 litres container</p>

## Technical Data Sheet

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### StoColor Silco

#### Storage

**Storage life & conditions** This product has a shelf life of 12 months from the manufacturing date.  
Product should always be stored in an unopened bag, dry place, protected from rain, direct sunlight and raised off the floor.

#### Special notes

**Health & Safety** Please refer to Safety Data Sheet

**Technical Support** Please consult the local sales office for further information and any site assistance required.

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](http://www.sto-sea.com).

**Sto SEA Pte Ltd**  
159 Sin Ming Road  
#06-02 Amtech Building  
Singapore 575625  
Phone : +65 6453 3080  
Fax : +65 6453 3453  
[Info.sg@sto.com](mailto:Info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SEA Sdn Bhd**  
No. 15 Jalan Teknologi 3/3A  
Surian Industrial Park, Kota Damansara  
47810 Petaling Jaya, Selangor Malaysia  
Phone : +65 6453 3080  
Fax : +65 6453 3453  
[Info.sg@sto.com](mailto:Info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)

**Sto SE & Co. KGaA**  
Ehrenbachstr. 1  
79780 Stuhlingen  
Germany  
Phone : +49 7744 57-0  
Fax : +49 7744 57-2178  
[Info.sg@sto.com](mailto:Info.sg@sto.com)  
[www.sto-sea.com](http://www.sto-sea.com)