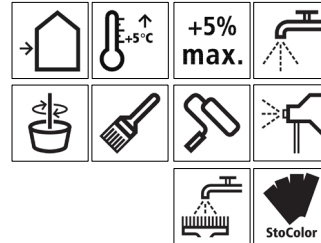


Technical Data Sheet

StoColor Jumbosil

Filled, silicone resin-modified facade paint on a dispersion base



Characteristics

- Area of application**
- Exterior
 - To achieve paint coats that are covering and have a slight filling capacity onto mineral and organic, non-elastic substrates
 - Not suitable for horizontal or sloping surfaces subject to weathering

Properties

- Slight filling capacity
- Very good drying behaviour
- Water-repellent
- Water vapour permeable
- Alkali-resistant

Appearance

- Matt

Information /notes

- With encapsulated film protection

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	0.13 m	V1 high
Water permeability rate w	EN 1062-1	< 0.05 kg/(m ² h ^{0.5})	W3 low
Water vapour diffusion - equivalent air layer thickness μ	EN ISO 7783	680	Average value
Gloss	EN 1062-1	Matt	G3
Dry layer thickness	EN 1062-1	190 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 following layers, such as bubble formation or cracks.

Preparations

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

Technical Data Sheet

StoColor Jumbosil

Application

Application temperature	Lowest temperature of substrate / air :	+5°C
	Highest temperature of substrate / air:	+30°C

Material preparation	Intermediate coat diluted with max. 5% water. Finish diluted with max. 5% 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	0.20 - 0.25 lit/m ²
	For 2 coats	0.40 - 0.50 lit/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 build-up	1) Substrate coating: StoPlex W.
	2) Intermediate coat: StoColor Jumbosil
	3) Finish: StoColor Jumbosil

Application	By paint brush, by roller, by airless spray-gun
	Sprayable without producing major mist :
	Nozzle: 4/17 - 4/25
	Pressure: 100 - 150 bar
	Use a nozzle extension and a flexible whip hose to achieve optimum results.

Drying, curing, ready for next coat	High humidity and/or low temperatures prolong drying.
	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.
	At +20°C temperature (air and substrate) and 65% relative air humidity: over-coatable after approx. 8 hours.

Cleaning the tools	Tools must be cleaned immediately after use with cleaning water
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Notes, recommendations, special information, miscellaneous	When using airless equipment, ensure there are no problems with material handling of filled paints (e.g. through adequately dimensioned intake manifolds or pipe elbows of the device).
	Please consult the local sales office for further information and any site assistance required.

Technical Data Sheet

StoColor Jumbosil

Delivery

Colour shade	<p>White, tintable in accordance with the StoColor System</p> <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. <p><u>Emulsifier washouts:</u> In case drying is delayed and the coating layers have not fully dried through, surface effects (streaking) caused by dew, mist, water spray or rain can occur during initial stages of weathering because of water-soluble processing aids in the coatings.</p> <p>Depending on the intensity of the colour shade, this effect can occur to varying degrees. This does not constitute an impairment of product quality. These effects usually disappear with the following rainfall.</p>
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Tintable	It can be tinted by the user with StoColor Tint or with max. 1% StoTint Aqua.
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Possible special options	The product is equipped at the factory with encapsulated film preservative, it is possible to add agents. However, it is not possible to guarantee that there will be no algae and/or fungal attack in the long term.
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Packaging	Article number	Name	Packing
		53000-001	StoColor Jumbosil, white
	53000-058	StoColor Jumbosil, tinted	15 lit

Storage

Storage conditions	Store in cool dry conditions; avoid direct sunlight.
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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>
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Technical Data Sheet

StoColor Jumbosil

Identification

Product group Facade Paint

Safety

Please refer to 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 www.sto-sea.com.

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*Product images may differ from the actual product.