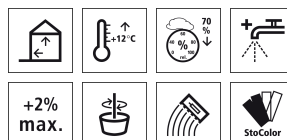


Technical data sheet

StoSilent Top Finish

Organic, sound-permeable finishing coat for StoSilent acoustic systems



Characteristics

- Areas of application**
- interior
 - as a finish for suitable StoSilent acoustic systems

- Properties**
- sound-permeable

- Appearance**
- ultra-fine grain size
 - matt in accordance with EN 13300

- Information/notes**
- sound permeability is achieved by means of the special application technique

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811	1.4 - 1.6 g/cm ³	
Water vapour diffusion resistance factor μ	EN ISO 7783-2		V1 high
Reaction to fire (class)	EN 13501-1	A2-s1, d0	non-combustible
PH value		8.0 - 9.0	
Light reflectance value		77	
Degree of whiteness		69 %	

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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 and dry. Damp or not fully cured substrates can lead to defects in subsequent coats, such as differences in colour shade, blistering, or cracks. Therefore do not apply onto damp or soiled substrates.

Preparations Inspect the surface to be coated:

If necessary, slightly sand the surface using an sanding board or abrasive grid to remove any ridges.

Application

Application temperature Lowest application and substrate temperature: +12 °C at a max. 70 % relative air and construction element humidity

Material preparation Ready-to-use, can be diluted up to max. 2 % with water.

Use as little water as possible to achieve application consistency. Stir well before application.

Consumption	Type of application	Approx. consumption	
			kg/m ²
	as top coat	3.00	

Material consumption depends on, among other factors, the application, substrate and consistency. The stated consumption values are only to be used as a guide. If required, precise consumption values should be determined on the basis of the specific project.

Coating procedure System:
metal sub-construction in accordance with EN 13964 with vernier hangers; fine grid bonded with StoSilent Profile Tape

Acoustic carrier board:
StoSilent Board 100, StoSilent Board 200, StoSilent Board 300, StoSilent Board MW 100, StoSilent Modular 200

System adhesive:

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StoSilent Fix

Intermediate coat:
StoSilent Top Basic

Finish:
StoSilent Top Finish

Application

manually

Apply the finishing coat to the entire surface using a square trowel and comb it off with a 4 x 4 mm toothed trowel in a criss-cross fashion, where the second combing runs with the main incidence of light.

Combing in one direction should only be done by one person to ensure uniform layer thicknesses. Then level the surface with a wide trowel in one application cycle.

Collect surplus material separately.

After adjusting the consistency, this can be used again for other areas.

Depending on the ambient room temperature and air humidity, level the surface with a plastic trowel (blade thickness 1 mm). Start working when the surface is starting to become matt.

Metal abrasion can occur if the product is smoothed with metal tools.

It is recommended to lay an area of min. 5 m² in advance.

Provide sufficient manpower to carry out the coating. Areal scaffolding is required.

The ceilings are not 100 % free from the effects of glancing light.

Reworking:

Please contact your Sto Technical Consultant when planning to rework StoSilent acoustic ceilings with the StoSilent Top coating.

Drying, curing, ready for next coat

High humidity and/or low temperatures prolong drying.

Cleaning the tools

Clean tools with water immediately after use.

Indications, recommendations, special information, miscellaneous

Please observe the general Sto application guidelines for acoustic systems. They are available from Sto SE & Co. KGaA.
Installation/coating must only be carried out after prior instruction.

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Delivery

Colour shade	white (approx. RAL 9016), limited tintability in accordance with the StoColor System
	<p>Colour accuracy:</p> <p>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:</p> <ul style="list-style-type: none"> a) uneven absorption behaviour of the substrate b) different substrate moisture levels c) partially very different alkalinity/substances in the substrate. <p>Note:</p> <p>When tinting the material, the pigment paste adds small amounts of solvent to the product.</p>

Storage

Storage conditions	Store tightly sealed in frost-free conditions.
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Certificates/approvals

Declaration of conformity No. 2014-04	Acoustic products formulation identity/name change Certificate of conformity
M 35 120/60 S.6	StoSilent Top Panel, 245 m cavity without MW Determining the sound absorption factor
M 35 120/60 S.7	StoSilent Top Panel, 30 mm cavity without mineral wool Determining the sound absorption factor
M 35 120/61 S.1	StoSilent Top Panel, 245 m cavity without MW Determining the sound absorption factor
M 35 120/70	StoSilent Top Panel Alu, 30 mm cavity without mineral wool Determining the sound absorption factor
M 35 120/73 S.3	StoSilent Top A-Tec Panel, 100 mm cavity without MW Determining the sound absorption factor

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M 35 120/73 S.5	StoSilent Top A-Tec Panel Alu, 30 mm cavity without MW Determining the sound absorption factor
M 35 120/66	StoSilent Top Cool with varied cavity depth Determining the sound absorption factor

Identification

Product group Acoustic coating

Composition In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings, polymer dispersion, titanium dioxide, mineral filler materials, water, additives, preservatives

Safety Please observe 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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