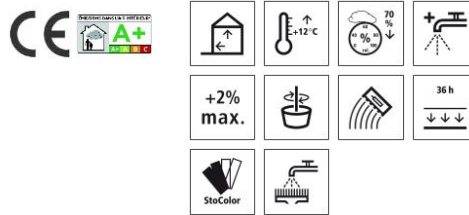


Technical Data Sheet

StoSilent Top Finish

Organic, porous finishing coat for StoSilent acoustic systems



Characteristics

Area of application	<ul style="list-style-type: none"> interior as a finish for the StoSilent Direct, StoSilent Distance, and StoSilent Modular 400 acoustic systems
Properties	<ul style="list-style-type: none"> porous ultra-fine grain size
Appearance	<ul style="list-style-type: none"> matt smooth surface
Information/notes	<ul style="list-style-type: none"> porosity is produced by means of a special application technique

Technical data

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

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 even and free of ridges. 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 changes in colour shade, blisters, or cracks. Do not use the product on damp or
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soiled substrates.

Preparations

Check the surface to be coated.

Protruding material: remove ridges in the surface and in the edge zone with caution.

Application

Application temperature

lowest substrate and application temperature: +12 °C at max. 70 % relative humidity

Material preparation

The product is ready-to-use. Dilute the product with max. 2 % water. When using StoSilent Top Finish tinted, less water needs to be added to achieve application consistency than for untinted material. Stir the material well before application.

Consumption

Type of application

Approx. consumption

as finish

3.00

kg/m²

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

Substrate:

StoSilent Distance and StoSilent Modular 400:

Metal sub-construction in accordance with EN 13964 with vernier hangers, U-shaped hangers and direct hangers. Fine grid covered with StoSilent Profile Tape (optional with StoSilent Modular 400).

StoSilent Direct:

load-bearing, airtight, even

Acoustic carrier board:

StoSilent Board 100, StoSilent Board 200, StoSilent Board 300, StoSilent Board MW 100

System adhesive:

StoSilent Distance: StoSilent Fix

StoSilent Direct: StoSilent Coll MW

Intermediate coat:

StoSilent Top Basic

Finish:

StoSilent Top Finish

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Application

manually

Work step 1:

apply StoSilent Top Basic to the acoustic carrier boards with the Sto-Swiss Smoothing Trowel Notched (4 x 4) starting at the edge and transversely to the main light incidence direction.

It is vital that enough material is applied during this work step. At this stage, appearance is of secondary importance.

Work step 2:

comb off the fresh layer with the Sto-Swiss Smoothing Trowel Notched (4 x 4) in a criss-cross pattern. The first notching runs transversely to the main light incidence direction, the second notching runs parallel.

Notching 1:

press the finishing trowel strongly and uniformly at an angle of approx. 30° - ideally until scraping is heard.

Do not comb off the material in the edge zone (approx. 3 cm in width), in order to later smooth the visually flawless coating.

Notching 2:

comb off the layer with the Sto-Swiss Smoothing Trowel Notched (4 x 4) parallel to the main light incidence direction.

Applying uniform pressure, smooth the coating using a Sto rust-free finishing spatula, holding it at an angle of approx. 10°. When smoothing, trowel off as little material as possible.

Smooth first the edge zones and then the entire surface. To conclude deburr the entire surface.

After the surface becomes matt, smooth the coating (depending on the ambient room temperature and humidity after approx. 15 - 45 minutes). First smooth the edge zone with the special plastic Sto-Finishing Trowel Profi (1 mm).

Then smooth the entire surface starting from the edge zone with the Sto-Special Smoothing Trowel.

Observe the current application guidelines of the respective acoustic system.

In glancing light the ceilings are not free from visible unevenness.

renovation and cleaning:

See the StoSilent Planning Manual or obtain information from a Sto technical consultant.

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Drying, curing, ready for next coat High humidity, low temperature and reduced air exchange prolong the drying time. fully dry: after approx. 36 hours

Cleaning the tools Clean tools with water immediately after use.

Notes, recommendations, special information, miscellaneous Observe the general Sto application guidelines for StoSilent acoustic systems. They are available from Sto SE & Co. KGaA. Only install and/or coat the product after training.

Recommendation: installation on walls outside areas subject to a risk of impact, above a height of 2 m.

Delivery

Colour shade white (approx. RAL 9016), limited tintability in accordance with the StoColor System

Colour accuracy:
Colour shade differences between the batches are possible due to the use of natural raw materials. Only apply products from the same batch to a surface.

Due to the chemical and physical setting processes at different project conditions, it is not possible to give any warranty for uniform colour accuracy and freedom from stains especially with regard to:

- a) uneven absorption of the substrate
- b) different substrate moisture levels
- c) partially very different alkalinity/substances in the substrate.

Note:
Tinted product versions contain small amounts of solvent due to the pigment pastes.

Storage

Storage conditions Store tightly sealed in frost-free conditions.

Certificates/approvals

Declaration of conformity No. 2014-04	Acoustic products formulation identity/name change Declaration of Conformity
M 10 0960/18 Page 1	StoSilent Direct - StoSilent Board MW 100, 66 mm - StoSilent Top Basic & Top Finish - build-up E-200 Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/18 Page 3	StoSilent Direct - StoSilent Board MW 100, 46 mm - StoSilent Top Basic & Top Finish - build-up E-200 Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/18 Page 5	StoSilent Direct - StoSilent Board MW 100, 66 mm - StoSilent Top Basic & Top Finish - build-up type A Determination of the sound absorption factor in accordance

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	with EN ISO 354
M 10 0960/18 Page 7	StoSilent Direct - StoSilent Board MW 100, 46 mm - StoSilent Top Basic & Top Finish - build-up type A Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/24 Page 3	StoSilent Direct - StoSilent Board MW 100, 36 mm - StoSilent Top Basic & Top Finish - build-up type E-200 Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/24 Page 6	StoSilent Direct - StoSilent Board MW 100, 36 mm - StoSilent Top Basic & Top Finish - build-up type A Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/25 Page 2	StoSilent Distance A2 - StoSilent Board 100 - StoSilent Top Basic <-&<-> Finish, tinted black - build-up E-200 Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/25 Page 3	StoSilent Distance A2 - StoSilent Board 100 + Renovation - StoSilent Top Basic & Finish (removed and reapplied) - build-up E-200 Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/25 Page 4	StoSilent Distance A2 - StoSilent Board 100 + Renovation - StoSilent Top Basic & Finish - + Decor M (Renovation) build-up E-200 Determination of the sound absorption factor in accordance with EN ISO 354

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 extenders
 water
 thickener
 dispersing agent
 pH-regulating agents
 storage protection agent based on BIT/ZPT

Safety

Observe the Safety Data Sheet!
 Safety instructions refer to the ready-to-use, unapplied product.

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EUH210	Safety data sheet available on request.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. These are preservatives.

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 the Internet.

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