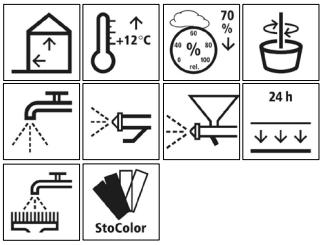
Building with conscience.

Technical Data Sheet

StoSilent Decor M

Preservative-free, porous, silicate acoustic coating



Characteristics

Area of application

- Interior
- As an intermediate and finishing coat

Properties

- Porous
- Solvent- and plasticiser-free
- Low VOC emission
- Fine graining
- Preservative-free

Appearance

- Matt
- Textured surface

Information/notes

- Porosity is produced by means of a special application technique

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Density	EN ISO 2811	1.2 - 1.4 g/cm³	
Water vapour diffusion- equivalent air layer thickness µ	EN ISO 7783		V1 high
Reaction to fire	EN 13501-1	A2-s1, d0	
Bond strength (28 days)	EN 1542	≥ 0.3 N/mm²	
PH value		11.0 - 12.0	
Light reflectance value		83	
Degree of whiteness		66 %	

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.

Do not use the product on damp or soiled substrates.

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Preparation

StoSilent Distance S/C/F
Board joints must be filled and sanded even. Check the surface to be coated. With the aid of a metal rod or glancing light, check if the surface is uneven or if seams are visible. If necessary, touch up these spots.

StoSilent Direct:
Board joints must be filled if there is a seamless design. For a seamless system build-up, prior to coating, check the intermediate coat for unevenness and seams, and touch up if necessary.

Due to the fineness of the coating, the substrate must be level and coatable. Use a metal rod or glancing light to check the ceiling for unevenness. Touch up any unevenness.

Cut open any bubbles in the glass-fibre nonwoven, recoat the board with adhesive, and press the nonwoven back on. Allow the repaired area to dry.

Note: there should be no adhesive on the underside of the nonwoven, since this can lead to light markings.

The joints between the glass-fibre nonwoven strips must neither gape nor overlap as these are not concealed by the finish.

Application

Application temperature

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

Material preparation

Ready-to-use. If the product is applied with the Sto-Hopper Gun, add up to 3 % water.

Stir the material well before application.

Consumption

Type of application	Approx. consumption
For 1 application cycles (only StoSilent Distance C)	0.90 kg/m²
For 3 application cycles (depending on the colour shade, a further application cycle may be necessary)	2.70 kg/m²
For 4 application cycles	3.20 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

StoSilent Distance S with StoSilent Board 110
Intermediate coat 1: StoSilent Decor M
Intermediate coat 2: StoSilent Decor M
Finish: StoSilent Decor M

StoSilent Distance C with StoSilent Board 105 / 205
Intermediate coat 1: StoSilent Top Basic
Finish : StoSilent Decor M

Acoustic system StoSilent Distance F with StoSilent Board 310
Intermediate coat 1: StoSilent Decor M
Intermediate coat 2: StoSilent Decor M
Finish: StoSilent Decor M

StoSilent Direct Acoustic System with StoSilent Board MW 100: visible joints:
Intermediate coat 1: StoSilent Decor M
Intermediate coat 2: StoSilent Decor M
Finish: StoSilent Decor M

Depending on the colour shade and substrate type, further material applications may be necessary.

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Application	By machine, spray with a hopper gun Spray on the material in several offset application cycles. Use more material for each application cycle. For application, use a Peristaltic conveying pump (e.g. inoBEAM M8), a conveying pump with stator (e.g. Strobot 406 RS), or a Sto-Hopper Gun. Use a compressor with a suction capacity of at least 360 l/min to ensure sufficient air quantity (e.g. V- Meko 400). nozzle size: 4 - 6 mm, flow: 0 - 15 l/Min, air pressure: 1.5 - 2.5 bar. Use a test surface to adjust the spray pattern by adapting the air quantity and conveying output. distance between the application device and coating surface If necessary, carry out any additional measures (e.g. lower the scaffolding). Start spraying on the material in the perimeter area and execute the movements parallel to the wall. Then apply the material to the surface using circular movements. Never hold the device at a single point during application, keep it continually moving. Do not allow the material to run over the surface, as otherwise the Acoustic porosity is not guaranteed and the surface appears patchy. Note on using machine technology: If necessary, four application cycles are necessary, each with a reduced amount of material to ensure sound permeability. Leave the surface to dry for at least 24 hours. Sweep the surface with a clean hair broom. It intense colour shades are used, it may be necessary to allow the surface to dry longer to avoid so-called cloud formation. Additional application cycles may be necessary depending on the colour shade. In order to balance out the colour of the substrate, decant 1 - 2 white or tinted layers. If necessary, use a dehumidifier. Observe the current application guidelines of the respective Acoustic system.
Drying, curing, ready for next coat	Fully dry: after approx. 24 hours High humidity and/or low temperatures prolong the drying time. Reworking time: Wait at least 5 hours between the first and second application cycle (humidity: < 70 %, temperature: + +18 °C). Wait at least 12 hours between the second and third application cycle (humidity: < 70 %, temperature: +18 °C).
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. Installation/coating must only be carried out after prior instruction. Recommendation: installation on walls outside areas subject to a risk of impact, above a height of 2 m.

Delivery

Colour shade	Signal white (approx. RAL 9003), limited tintability in accordance with the StoColor System If tinted versions are used, small amounts of preservatives can get into the material due to the pigments. A large number of preservative-free colour shades are available on request. Colour shade differences between the batches are possible due to the use of natural raw materials. Only use products from the same batch over a single surface.

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Colour accuracy:
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.

Packaging	**Article number**	**Name**	**Packing**
	00158-030	StoSilent Decor M	18 kg/pail

Storage

Storage conditions

Store in cool dry conditions; avoid direct sunlight.

Storage life

The quality of the product in its original container is guaranteed until the maximum storage life has expired. The storage life information is included in the batch number on the container.

Explanation of batch no.:
Digit 1 = last digit of the year,
Digits 2 + 3 = calendar week
Example: 6450013223 - storage life ends week 45 in 2026

Identification

Product group

Acoustic coating

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.