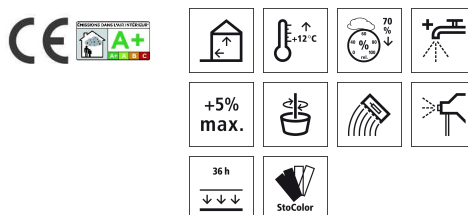


Technical Data Sheet

StoSilent Top Basic

Organic porous substrate coating for StoSilent acoustic systems



Characteristics

Area of application	<ul style="list-style-type: none"> interior as substrate coating for suitable StoSilent acoustic systems can also be used as a finish if applied in 2 layers
Properties	<ul style="list-style-type: none"> porous, fine graining
Appearance	<ul style="list-style-type: none"> matt in accordance with EN 13300 smooth surface
Information/notes	<ul style="list-style-type: none"> the porosity is achieved by means of the special application technique

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	EN ISO 2811	1.3 - 1.5 g/cm ³	
Water vapour diffusion-equivalent air layer thickness μ	EN ISO 7783-2		V1 high
Reaction to fire (class)	EN 13501-1	A2-s1, d0	non-combustible
PH value		9.3	
Light reflectance value		71	
Degree of whiteness		49 %	

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. Therefore do not apply onto damp or soiled substrates.

Preparations Inspect the surface to be coated:

Technical Data Sheet

StoSilent Top Basic

Check if the surface is uneven and if seams are visible by means of a metal bar or glancing light; touch these spots up if necessary.

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. 5 % with water.

Use as little water as possible to achieve application consistency. In the case of StoSilent Top Basic white and tinted versions, less water needs to be added to achieve application consistency. Stir well before application.

Consumption

Type of application	Approx. consumption
as intermediate coat	1.50 - 2.50 kg/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

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:
StoSilent Fix

Intermediate coat:
StoSilent Top Basic

Finish:
StoSilent Top Finish

Application

manually

Apply the intermediate coat to the entire surface with a square trowel and comb it off with a 4 x 4 mm toothed trowel in a criss-cross pattern with the last combing aligned 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.

Technical Data Sheet

StoSilent Top Basic

Do not collect surplus material separately, but reuse it immediately.
Occasionally, stir the material with a mason's trowel.

After drying (min. 36 hours, when tinted min. 48 hours) the surface may need to be slightly sanded using a sanding board or abrasive grid to remove any ridges.

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 completely free of cast shadows in glancing light.

Drying, curing, ready for next coat	High humidity and/or low temperatures prolong drying.
--	---

Cleaning the tools	Clean tools with water immediately after use.
---------------------------	---

Notes, 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.
---	--

Delivery

Colour shade	white (approx. RAL 9001), limited tintability in accordance with the StoColor System 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. Note: If the material is tinted, the pigment paste adds small amounts of solvent to the product.
---------------------	---

Packaging	Pail
------------------	------

Storage

Storage conditions	Store tightly sealed in frost-free conditions.
---------------------------	--

Storage life	The quality of the product in its original container is guaranteed until the maximum storage life has expired. The storage life date can be deduced from the batch number of the container. Batch number explanation: Number 1 = the last number of year, numbers 2 + 3 = a calendar week
---------------------	---



Technical Data Sheet

StoSilent Top Basic

i.e.: 8450013223 – storage life until week 45 of the year 2018

Certificates/approvals

Declaration of conformity No. 2014-04	Acoustic products formulation identity/name change Certificate of conformity
M 10 0960/18 Page 1	StoSilent Distance A2 - StoSilent Board MW100, 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 Distance A2 - StoSilent Board MW100, 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 Distance A2 - StoSilent Board MW100, 66 mm - StoSilent Top Basic & Top Finish - Build-up type A Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/18 Page 7	StoSilent Distance A2 - StoSilent Board MW100, 46 mm - StoSilent Top Basic & Top Finish - Build-up type A 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, calcium carbonate, silicate extenders, water, additives, preservatives

Safety Observe the 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 the Internet.

Technical Data Sheet

StoSilent Top Basic

Sto SE & Co. KGaA
Ehrenbachstr. 1
79780 Stühlingen / Germany
Phone: +49 7744 57-0
Fax: +49 7744 57-2178
Infoservice.export@sto.com
www.sto.com