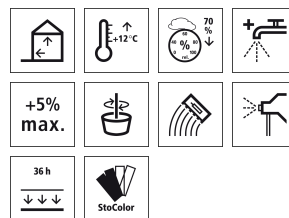


Technical data sheet

StoSilent Top Basic

Organic, sound-permeable substrate coating for StoSilent acoustic systems



Characteristics

- Areas of application**
- interior
 - as substrate coating for suitable StoSilent acoustic systems
 - in case of a 2-layer application it can also be used as a finish

- Properties**
- sound-permeable

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

- 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	1.3 - 1.5 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		9.3	
Light reflectance value		71	
Degree of whiteness		49 %	

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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, dry, clean, and load-bearing, as well as free from sinter layers, efflorescence and release agents. Damp or not fully cured substrates can lead to defects in subsequent layers, such as blistering or cracks. Therefore do not apply onto damp or soiled substrates.

Preparations Inspect the surface to be coated:

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, 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

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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.

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 an 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.

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.

Delivery

Colour shade

white (approx. RAL 9001), limited tintability in accordance with the StoColor System

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Colour accuracy:

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:

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

Note:

When tinting the material, 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 original package is guaranteed until stock by date. The batch number of the package indicates the end of the storage period.
 Batch number explanation:
 Number 1 = the last number of year, numbers 2 + 3 = a week
 I.e.: 5450013223 – storage life until the 45th week of the year 2015

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

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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
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, calcium carbonate, silicate 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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