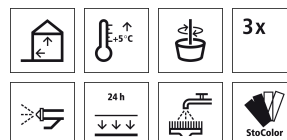


Technical data sheet

StoColor Silent N

Organic, sound-permeable, isolating renovation paint



Characteristics

- Areas of application**
- interior
 - for suitable Sto acoustic systems
 - open-pored renovation paint for acoustic systems and similar systems that tolerate a water-based coating
 - suitable for coating StoSilent Decor M

- Properties**
- excellent barrier effect against nicotine, lignin, soot, and water stains
 - sound-permeable
 - good hiding power
 - high degree of whiteness

- Appearance**
- matt in accordance with EN 13300

- Information/notes**
- sound permeability is achieved by means of the special application technique
 - not suitable for StoSilent Top coating build-ups

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Density	EN ISO 2811	1.2 - 1.4 g/cm ³	
Spreading rate	EN 13300	7 m ² /l	
Gloss	EN 13300	matt	
Wet scrub resistance	EN 13300	class 1	

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Hiding power	EN 13300	class 2
Maximum grain size	EN 13300	fine

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

Clean the surfaces in advance with an industrial vacuum with brush attachment.

When coating acrylic joints and waterproofing compounds, cracks and/or discolouration in the coat can occur due to the higher elasticity of the acrylic waterproofing compound. Due to the wide range of products on the market, carry out your own tests to assess the adhesive capacity.

The coating layer build-ups and recommendations listed do not release the applicator from his or her own responsibility for substrate testing and assessment.

Application

Application temperature

Lowest substrate and air temperature for application: +5 °C

Material preparation

Ready-to-use
Stir the product well before application; adjust to spraying consistency if necessary.

Consumption

Type of application	Approx. consumption	
per paint coat	0.15 - 0.30	l/m ²
in case of 2 application cycles	0.30 - 0.60	l/m ²
in case of 3 application cycles	0.45 - 0.75	l/m ²

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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

Substrate:
load-bearing acoustic system

Intermediate coat 1:
StoColor Silent N

Intermediate coat 2:
StoColor Silent N

Finish:
StoColor Silent N

Depending on the colour shade and type of the substrate, further coats may be necessary.

Application

by machine

Apply max. 3 layers of the product using low-pressure mist application.

Only carry out subsequent application after complete through-drying of the previous layer (min. 24 hours at +18 °C and max. 70 % relative air humidity).

Spray using the low-pressure method with gun nozzle 2.5 - 3.0 mm or Sto-Hopper Gun with 4 mm nozzle, as well as with low-pressure equipment, e.g. from Chiron, Graco, Sata, Storch, Wagner.

Drying, curing, ready for next coat

Dries purely physically. The drying time depends on the substrate, relative humidity, ambient room temperature and ventilation conditions. High humidity and/or low temperatures prolong drying. At +20 °C temperature (air and substrate) and 65 % relative air humidity, the next coat can be applied after approx. 24 hours.

Cleaning the tools

Clean tools with water immediately after use.

Indications, recommendations, special information, miscellaneous

The product may not be painted or rolled as this application method impairs acoustic effectiveness. In case of heavy soiling, yellowing of the first layer is possible; this yellowing is covered by the second and subsequent layers.

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The wet scrub resistance values may vary depending on the substrate.

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, limited tintability in accordance with the StoColor System

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

bucket

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

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Certificates/approvals

Declaration of conformity No.	Acoustic products formulation identity/name change
2014-04	Certificate of conformity

Identification

Product group	Acoustic renovation paint
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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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