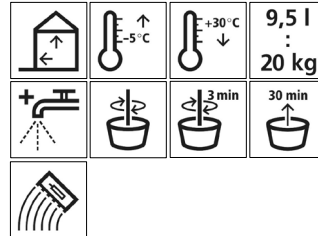


Technical Data Sheet

StoSilent Coll MW-G

System adhesive on a gypsum base for bonding the StoSilent Direct acoustic system onto substrates made of gypsum boards and gypsum fibreboards



Characteristics

Area of application

- Interior
- For bonding the StoSilent Board MW 100 acoustic panels
- Substrates: on uncoated gypsum plasterboards, type A in accordance with EN 520, on primed gypsum fibreboards, type GF in accordance with EN 15283-2
- On primed, filled gypsum plasterboard surfaces

Properties

- Reaction to fire (class) A1 in accordance with EN 13501-1
- Good wet adhesive strength
- Optimal resistance to flow
- Perfectly matched to the StoSilent Direct acoustic system

Technical Data

Criteria	Standard / test specification	Value / Unit	Notes
Density	EN 14496:2005	0.7 g/cm ³	
Reaction to fire	EN 14496:2005	A1	
Bond strength (28 days)	EN 14496:2005	≥ 0.6 MPa	(28 days)
Grain size	EN 14496:2005	< 500 µm	

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 airtight, smooth, load-bearing, clean, dry, and free from sinter layers, efflorescence, and release agents.

Preparation

Notes:

- Check the substrates and the sub-constructions for their suitability and load-bearing capacity.

Screwed and not filled gypsum plasterboards:

- Maximum approved carrier rail distance: 40 cm
 1. Fill the joints between the gypsum plasterboards with StoSilent Coll MW-G.
 2. Embed and smooth the Sto-Gewebefugenband.
 3. Then apply StoSilent Coll MW-G wet-on-wet. See the "Application" section.

Filled and honed gypsum plasterboards :

- Substrate requirement: at least quality level Q2
 1. Prime the filled joints between the gypsum plasterboards and leave to dry. Primer: StoPrim Plex

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Application							
Application temperature	Lowest substrate and application temperature: +5 °C at max. 70 % relative humidity.						
Time of application	At +20 °C ambient temperature and approx. 50 % humidity: approx. 30 minutes						
Material ratio	9.5 l of water per 20 kg Note: only mix the amount of material that can be applied within the pot life						
Material preparation	<p>Notes:</p> <ul style="list-style-type: none"> Always use clean pails. Once the setting process has begun in the pail, StoSilent Coll MW-G cannot be reused even after re-stirring. Do not use material that has started to stiffen. Do not mix with other products. <p>Preparing the material:</p> <ol style="list-style-type: none"> Stir the product for approx. 3 minutes and mix to a smooth and lump-free mass. 						
Consumption	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Type of application</th> <th style="text-align: left;">Approx. consumption</th> </tr> </thead> <tbody> <tr> <td>Bonding</td> <td>3.0 – 4.0 kg/m²</td> </tr> <tr> <td>Per mm layer thickness</td> <td>1.2 kg/m²</td> </tr> </tbody> </table> <p>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.</p>	Type of application	Approx. consumption	Bonding	3.0 – 4.0 kg/m ²	Per mm layer thickness	1.2 kg/m ²
Type of application	Approx. consumption						
Bonding	3.0 – 4.0 kg/m ²						
Per mm layer thickness	1.2 kg/m ²						
Application	<p>Manually</p> <p>Tools required: Sto-Notched Trowel: 10 x 10 mm</p> <ol style="list-style-type: none"> Using a high level of pressure, apply a thin layer of the product full-faced to the back of the board. Apply the product full-faced again to the back of the board. Comb off the product with the Sto-Notched Trowel or with the Sto-Zahntraufel at an angle of approx. 45°. Apply an adhesive bead all the way around the edge of the board with the Sto-Notched Trowel or the Sto-Zahntraufel. Press and align the boards on the substrate. Leave the product to dry. <p>Using a bucket trowel, apply an adhesive bead all the way around the edge of the board to fix the acoustic board to the substrate.</p>						
Drying, curing, ready for next coat	<p>Drying:</p> <p>The product dries within one day per 2 mm layer thickness if the following conditions are met:</p> <ul style="list-style-type: none"> substrate and air temperature: +20 °C relative humidity: 50 % <p>Use a condensate dryer to accelerate drying.</p> <p>Curing:</p> <p>The product is hard after approx. 1-1.5 hours.</p>						

Technical Data Sheet

StoSilent Coll MW-G

Cleaning the tools	Clean tools with water immediately after use.
Notes, recommendations, special information, miscellaneous	Observe the application guidelines for StoSilent acoustic systems. The application guidelines are available from Sto SEA Pte Ltd. Only apply the product after training. Incorporate the existing structural expansion joints.

Delivery

Colour shade	The colour shade corresponds approx. to RAL 9016 traffic white.		
Packaging	Article number	Name	Packing
	01269-004	StoSilent Coll MW-G	25 kg/bag

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	Bonding mortars
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.