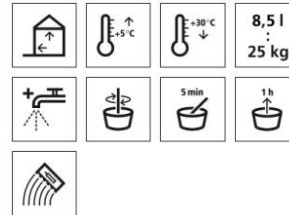


# Technical Data Sheet

## StoSilent Coll MW

Mineral system adhesive for StoSilent acoustic systems



### Characteristics

#### Area of application

- interior
- as bonding mortar for StoSilent direct acoustic systems
- on mineral substrates
- on organic substrates with an intermediate coat of StoSilent Prep Quartz
- onto organic substrates with an intermediate coat of StoPrep Contact

#### Properties

- good wet adhesive strength
- optimum resistance to flow
- ideally matched with StoSilent direct acoustic systems

### Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bulk density of hardened mortar	EN 1015-10	1.4 g/cm <sup>3</sup>	
Flexural strength (28 days)	EN 1015-11	6.0 N/mm <sup>2</sup>	
Compressive strength (28 days)	EN 1015-11	20.0 N/mm <sup>2</sup>	
Dynamic modulus of elasticity (28 days)	TP BE-PCC	10,000 N/mm <sup>2</sup>	
Thermal conductivity	EN 1745	≤ 0.82 W/(m*K) for P=50 %	Table value
Thermal conductivity	EN 1745	≤ 0.89 W/(m*K) for P=90 %	Table value
Spreading rate		740 L/t	

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

#### Preparations

Check existing coatings for their suitability and load-bearing capacity. Gypsum and pre-mixed plasters of mortar groups P IV and P V:

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## StoSilent Coll MW

Remove any sinter skin and dust off the surface. Prime with StoPrim Plex and apply an intermediate coat of StoSilent Prep Quarz.

### Application

**Application temperature**      Lowest temperature of substrate/air: +5 °C  
 Highest temperature of substrate/air: +30 °C

**Time for application**            At +20 °C: approx. 60 - 90 minutes

**Mixing ratio**                        8.5 l of water per 25 kg

**Material preparation**            Mix for approx. 2 minutes. Allow to mature for approx. 3 minutes. Remix for approx. 30 seconds.

Consumption	Type of application	Approx. consumption	
	adhesive	3.5 - 4.0	kg/m <sup>2</sup>
	per mm layer thickness	1.2	kg/m <sup>2</sup>

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.

**Application**                        manually

To ensure full-surface bonding, apply the adhesive to the entire rear side (mineral wool side) of the acoustic panel StoSilent Board MW. Use a notched trowel (e.g. 10 x 10 mm or 15 x 15 mm) to comb the adhesive layer, first parallel to the long board edge, and then parallel to the short board edge.

**Drying, curing, ready for next coat**      At +20 °C: after 36 hours  
 Drying can be accelerated with a condensate dryer.

**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. They are available from Sto SE & Co. KGaA.

Only install and/or coat the product after training.

Incorporate the structural expansion joints.

### Delivery

**Colour shade**                        white

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## StoSilent Coll MW

<b>Packaging</b>	sack
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### Storage

<b>Storage conditions</b>	Store in dry and frost-free conditions.
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<b>Storage life</b>	<p>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.</p> <p>Batch number explanation:            Number 1 = the last number of year, numbers 2 + 3 = a calendar week            i.e.: 8450013223 – storage life until week 45 of the year 2018</p>
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### Identification

<b>Product group</b>	Bonding mortar
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### 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.

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