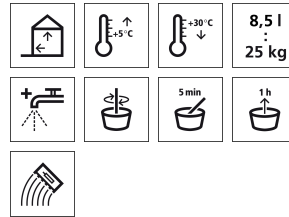


Technical data sheet

StoSilent Coll MW

Mineral system adhesive for StoSilent acoustic systems



Characteristics

Areas of application

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

Properties

- good wet adhesive strength
- optimum non-sag properties
- ideally matched with StoSilent direct acoustic systems

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Apparent density of cured mortar	EN 1015-10	1.4 g/cm ³	
Flexural strength (28 days)	EN 1015-11	6.0 N/mm ²	
Compressive strength (28 days)	EN 1015-11	20.0 N/mm ²	
Dynamic modulus of elasticity (28 days)	TP BE-PCC	10,000 N/mm ²	
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

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Spreading rate	740 L/t
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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 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 PG IV + V: Sand, dust off, and prime any sinter skin with StoPrim Plex. Then coat with StoSilent Prep Quartz as an intermediate coat.

Application

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

Processing time At +20 °C: approx. 60 - 90 minutes

Mixing ratio 8.5 l of water per 25 kg

Material preparation Stir for approx. 2 minutes, allow to mature for approx. 3 minutes, and then stir again for approx. 30 seconds.

Consumption	Type of application	Approx. consumption	
	Adhesive	3.5 - 4.0	kg/m ²
	per mm of layer thickness	1.2	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.

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Application	<p>manually</p> <p>Work the adhesive into the mineral wool side of the StoSilent Board MW acoustic panel. Comb it off with a notched trowel (e.g. 10 x 10 mm or 15 x 15 mm).</p> <p>To guarantee full-surface bonding, apply the adhesive to the acoustic panel and comb it through with a notched trowel. During bonding, the combed material must be at a right angle (perpendicular) to the combed material on the other surface.</p>
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Drying, curing, ready for next coat	<p>at +20 °C: after 36 h</p> <p>The drying time can be sped up with a condensate dryer.</p>
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Cleaning the tools	Clean tools with water immediately after use.
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Indications, recommendations, special information, miscellaneous	<p>Please observe the general Sto application guidelines for acoustic systems. They are available from Sto SE & Co. KGaA.</p> <p>Installation/coating must only be carried out after prior instruction.</p> <p>Structural expansion joints must be incorporated.</p>
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Delivery

Colour shade	white
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Packaging	sack
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Storage

Storage conditions	Store in dry and frost-free conditions.
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Storage life	<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:</p> <p>Number 1 = the last number of year, numbers 2 + 3 = a calendar week</p> <p>i.e.: 5450013223 – storage life until week 45 of the year 2015</p>
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Technical data sheet

StoSilent Coll MW

Certificates/approvals

Identification

Product group Bonding mortar

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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