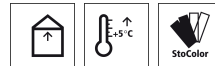


Technical Data Sheet

StoSilent Modular 200

Sound-absorbing ceiling element with fine coating



Characteristics

Area of application

- interior
- for reducing noise and regulating reverberation
- as a ceiling element

Properties

- high sound absorption (depending on suspension height, format, and surface finish)
- carrier board made of expanded glass granulate
- with a 40 mm layer of PET fibre (fixed to rear side of the element)
- reaction to fire (class) in accordance with EN 13501-1: B-s1, d0 (carrier board with coating)
- reaction to fire (class) in accordance with EN 13501-1: C-s3, d0 (PET fibre layer)
- robust, stable construction
- for immediate installation
- finish of StoSilent Top Finish (white)

Format

- board edge: sharp-edged
- standard formats approx. length x width x 17 mm
- 1170 x 770 mm
- 1206 x 1206 mm
- 2406 x 801 mm
- 2406 x 1206 mm
- custom variant upon request
max. 2400 x 1200 mm
- straight edges only, with edge protection profile, white powder-coated
- individual design: recesses on request
- polygons with straight edges, up to 2400 x 1200 mm

Appearance

- fine finish (StoSilent Top Finish)
- textured surface 0.3 - 0.5 mm

Information/notes

- simple assembly from prefabricated elements in accordance with installation instructions
- all ceiling elements incl. height-adjustable suspending set consisting of 4 steel

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wire hangers with a wire length of 2.5 m, 4 concrete nail anchors, 6 x 30 M6/5, drill-hole depth min. 40 mm, nominal drill diameter 6 mm

- use as wall element upon request
- not suitable for brine baths and swimming pools

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Reaction to fire (class)		B-s1, d0	Carrier board with coating
Reaction to fire (class)		C-s2, d0	Melamine resin foam
Sound absorption area A (object) / m ²	EN ISO 354		Can vary depending on the format and suspension height

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

Fix StoSilent Modular via 4 suspension points to the load-bearing building element (concrete ceiling, wooden/wooden beam ceiling, gypsum plasterboard ceiling, trapezoidal sheet metal, etc.) The executing company is responsible for furnishing proof of the load-bearing capacity of the substrate, selecting suitable retaining elements (screw, dowel, etc.) and checking on-site conditions and, if necessary, adjusting the elements correspondingly.

Application

Application temperature

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

Coating build-up

Height-adjustable steel cable suspension

Sub-construction made of galvanised steel sheet

layer of PET fibre

Acoustically effective carrier board

Finish applied at the factory:
StoSilent Top Finish

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Cleaning the tools Remove dust after use.

Notes, recommendations, special information, miscellaneous The general Sto application guidelines for StoSilent Modular must be observed, in accordance with the installation instructions. This is included in every delivery and is also available from Sto SE & Co. KGaA.

Delivery

Colour shade white (approx. RAL 9016), limited tintability in accordance with the StoColor System

Packaging box
pallet

Storage

Storage conditions Store in dry and frost-free conditions. Do not subject the article to loads or stress.

Certificates/approvals

Declaration of conformity No. 2014-04	Acoustic products formulation identity/name change Certificate of conformity
M 10 0960/13 Page 1	StoSilent Modular 200, 2.4 x 1.2 m + absorbent backing - StoSilent Top Basic & Finish - suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 2	StoSilent Modular 200, 2.4 x 1.2 m + absorbent backing - StoSilent Top Basic & Finish - suspension height 400 mm
M 10 0960/13 Page 3	StoSilent Modular 200, approx. 1.2 x 0.8 m + absorbent backing - StoSilent Top Basic & Finish - suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 4	StoSilent Modular 200, approx. 1.2 x 0.8 m + absorbent backing - StoSilent Top Basic & Finish - suspension height 400 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 5	StoSilent Modular 200, 1.2 x 1.2 m + absorbent backing - StoSilent Top Basic & Finish - suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 6	StoSilent Modular 200, 1.2 x 1.2 m + absorbent backing - StoSilent Top Basic & Finish - suspension height 400 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 7	StoSilent Modular 200 as wall element, 2.4 x 1.2 m + absorbent backing - StoSilent Top Basic & Finish - suspension point spacing 49 Determination of the sound absorption factor in accordance with EN ISO 354

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StoSilent Modular 200

Identification

Product group Acoustic ceiling element

Safety

The product is a manufactured item. The creation of a safety data sheet in accordance with the REACH Regulation (EU) No. 1907/2006, Annex II, is not required.
Detailed information can be found at www.sto.de under the category Fachhandwerker (tradesmen) / REACH.

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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