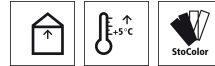


Technical data sheet

StoSilent Modular 200.

Sound-absorbing ceiling element with fine coating



Characteristics

Areas 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 melamine resin foam (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-s2, d0 (melamine resin foam)
- low weight
- robust, stable construction
- for immediate installation
- with 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

Technical data sheet

StoSilent Modular 200.

Information/notes

- simple assembly from prefabricated elements in accordance with installation instructions
- all ceiling elements incl. height-adjustable suspending set consisting of 4 steel 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 regulation	Value/ Unit	Notes
Fire behaviour (class)		B-s1, d0	carrier board with coating
Fire behaviour (class)		C-s2, d0	Melamine resin foam
Sound absorption surface area A (project) m ²	EN ISO 354		may vary depending on the format and suspension height

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

Fix StoSilent Modular via 4 suspension points in 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.

Technical data sheet

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Application

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

Coating procedure height-adjustable steel cable suspension
 sub-construction made of galvanised steel sheet
 layer of melamine resin foam
 acoustically effective carrier board
 finish applied at the factory:
 StoSilent Top Finish

Cleaning the tools Remove dust after use.

Indications, 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. Acoustic products formulation identity/name change
 2014-04 Certificate of conformity

M100960/13 StoSilent Modular 200/210
 Determination of the sound absorption factor in accordance
 with EN ISO 354

Technical data sheet

StoSilent Modular 200.

M100960/14	StoSilent Modular 200/210 Determination of the sound absorption factor in accordance with ASTM C 423
DIBT Stellungnahme	StoSilent Modular - ceiling canopy as fitment

Identification

Product group Acoustic ceiling element

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.

Sto SE & Co. KGaA

Ehrenbachstr. 1

D - 79780 Stühlingen

Phone: +49 7744 57-0

Fax: +49 7744 57-2178

Infoservice.export@sto.com

www.sto.com

Sto SEA Pte. Ltd.

159 Sin Ming Road
#06-02 Amtech Building
Singapore 575625
Singapore

Phone +65 6453 3080

Fax +65 6453 6991

info.sg@sto.com

www.sto-sea.com

Sto SEA Sdn. Bhd.

No. 15, Jalan Teknologi 3/3A,
Surian Industrial Park,
Kota Damansara
MY-47810

Petaling Jaya, Selangor D. E.

Tel: +60-3-61 56 61 33

Fax: +60-3-61 56 71 33

info.sg@sto.com

www.sto-sea.com

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