

# Technical data sheet

## StoSilent Modular 100

Sound-absorbing ceiling element made of recycled PET fibres on an aluminium frame



### Characteristics

#### Areas of application

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

#### Properties

- high sound absorption (depending on suspension height and format)
- carrier board made of synthetic fibres
- prefabricated with white nonwoven surface
- reaction to fire (class) in accordance with EN 13501-1: B-s1, d0
- board material awarded with Oeko-Tex® standard 100 (class 1)
- frame and carrier profiles made of anodised aluminium
- low weight
- robust, stable construction
- for immediate installation

#### Format

- frame: aluminium profile
- standard format approx. length x width x 26.5 mm
- 1150 x 750 mm
- 1150 x 1150 mm
- 1250 x 1250 mm
- 2350 x 1150 mm
- 3000 x 1250 mm
- custom variant upon request (min. 500 x 500 mm, max. 3000 x 1250 mm)

#### Appearance

- white nonwoven surface with fine, directed texture
- direction of the texture depends on the element format
- frame edge visible from the bottom: approx. 1.5 mm

#### Information/notes

- use as wall element upon request
- simple installation via carrier profiles and universal hangers pre-assembled at the factory

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- avoid backlighting the elements
- suspending set must be ordered separately (delivery without dowels)

### Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Reaction to fire (class)	EN 13501-1	B-s1, d0	
Sound absorption surface A (object) / m <sup>2</sup>	EN ISO 354		Can 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 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.

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### Application

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

### Coating procedure

Height-adjustable steel cable suspension  
suspension height max. 50 cm

sub-construction made of 2 aluminium profiles

acoustically effective carrier board (approx. 20 mm thick), bonded to aluminium frame

### 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**      nonwoven: signal white, frame: anodised aluminium silver

### Packaging

box  
pallet

### Storage

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

### Certificates/approvals

Oeko-Tex® Standard 100 - Certificate 15.0.61242	Board material for StoSilent Modular 100 - ceiling element Physiologically harmless textiles in accordance with the Oeko-Tex® Standard 100
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with EN ISO 354

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M 10 0960/17 Page 3	StoSilent Modular 100, 1,25 x 1,25 m - Nonwoven surface, white - Suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/17 Page 4	StoSilent Modular 100, 1,25 x 1,25 m - Nonwoven surface, white - Suspension height 400 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/17 Page 5	StoSilent Modular 100, 2,35 x 1,15 m - Nonwoven surface, white - Suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
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### Identification

**Product group** Acoustic ceiling element

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### 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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