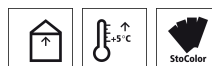


# Technical data sheet

## StoSilent Modular 210

Sound-absorbing ceiling element with textured 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 PET fibre (fixed to rear side of the element)
- reaction to fire (class) in accordance with EN 13501-1: B-s1, d0
- low weight
- robust, stable construction
- for immediate installation
- finish with StoSilent Decor (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
  - R60: round (radius = 600 mm)
  - custom variant upon request
- max. 2400 x 1200 mm
- straight edges, with edge protection profile, white powder-coated bent edges and curves without edge protection profile, with paint coat
- individual design: recesses upon request
- free shapes: rounded edges, oval, semi-circle, convex and concave lines up to 2400 x 1200 mm

#### Appearance

- textured finish (StoSilent Decor)
- textured surface 0.5 - 0.8 mm

# Technical data sheet

## StoSilent Modular 210

### 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
Reaction to fire (class)		B-s1, d0	carrier board with coating
Reaction to fire (class)		C-s2, d0	melamine resin foam
Light reflectance value		83	
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.

# Technical data sheet

---

## StoSilent Modular 210

### 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 procedure** 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 Decor

**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 9003), StoColor System – complete colour choice

**Packaging** box  
 pallet

# Technical data sheet

## StoSilent Modular 210

### 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 8	StoSilent Modular 210, 2,4 x 1,2 m + additional absorber on the rear side - StoSilent Decor M - Suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 9	StoSilent Modular 210, 2,4 x 1,2 m + additional absorber on the rear side - StoSilent Decor M - Suspension height 400 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 10	StoSilent Modular 210, ca. 1,2 x 0,8 m + additional absorber on the rear side - StoSilent Decor M - Suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 11	StoSilent Modular 210, ca. 1,2 x 0,8 m + additional absorber on the rear side - StoSilent Decor M - Suspension height 400 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 12	StoSilent Modular 210, 1,2 x 1,2 m + additional absorber on the rear side - StoSilent Decor M - Suspension height 200 mm Determination of the sound absorption factor in accordance with EN ISO 354

# Technical data sheet

## StoSilent Modular 210

M 10 0960/13 Page 13	StoSilent Modular 210, 1,2 x 1,2 m + additional absorber on the rear side - StoSilent Decor M - Suspension height 400 mm Determination of the sound absorption factor in accordance with EN ISO 354
M 10 0960/13 Page 14	StoSilent Modular 210 as wall element, 2,4 x 1,2 m + additional absorber on the rear side - StoSilent Decor M - mounting distance 49 Determination of the sound absorption factor in accordance with EN ISO 354

### 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](http://www.sto.de) under the category Fachhandwerker (tradesmen) / REACH.

### 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.

## Technical data sheet

---

# StoSilent Modular 210

Sto SE & Co. KGaA  
Ehrenbachstr. 1  
79780 Stühlingen / Germany  
Phone: +49 7744 57-0  
Fax: +49 7744 57-2178  
Infoservice.export@sto.com  
www.sto.com