

StoSilent Distance and Direct Seamless Acoustic Systems Component Guide

SC400, SC400D & SW150
Ceiling & Wall Lining Systems

General information

It is to be noted that the details, illustrations, general technical information and drawings contained on the following pages only represent general suggestions and details which serve solely to outline the essential modes of functioning of the products concerned. No dimensional exact tolerances apply. The applicator/client is responsible for verifying the applicability and completeness of the system in the specific construction project concerned. Adjacent trades are shown in schematic form only. All specifications and details are to be adapted according to the on-site situation and do not constitute detailed or installation planning for the respective trades. The technical specifications and information on the products in the technical data sheets and in the system descriptions/approvals must be observed.

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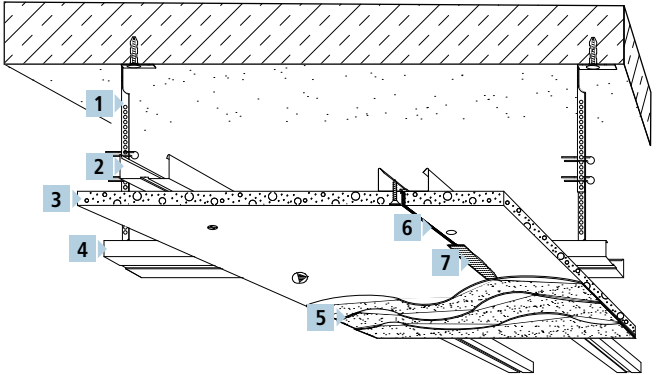
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System Overview - Distance



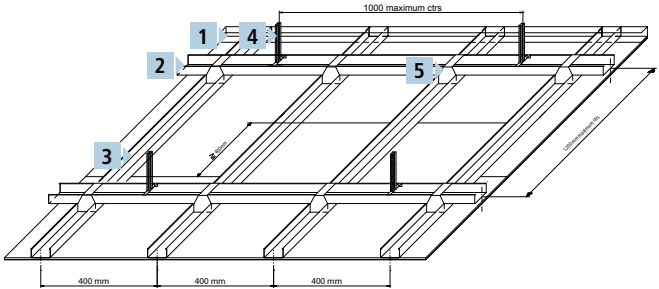
- 1 Sto Strip Hanger (07989-xxx)
- Sto Nonius Extension Strip (07989-038)
- 1 Sto Nonius Extension Strip Connector (07989-046)
- Sto Fixing Pins (07989-010)
- Sto Nonius Hanger (07989-012)
- 2 Sto Secondary Channel (07989-076)
- 3 Sto Acoustic Panel - Distance (15mm or 25mm thick as specified)
- 4 Sto Primary Channel (07989-076)
- 5 Sto Acoustic Finish (Décor M or Top as specified)
- 6 StoSilent Fix Adhesive (01208-001)
- 7 StoSilent Plan (01207-002)

The classically seamless acoustic system StoSilent Distance is the core product in our acoustic portfolio and the system of choice for most applications.

Important

Epoxy Powder (EP) metal work required for swimming pools and humid environments.

Perspective of Sto SC400 Braced Suspension Grid

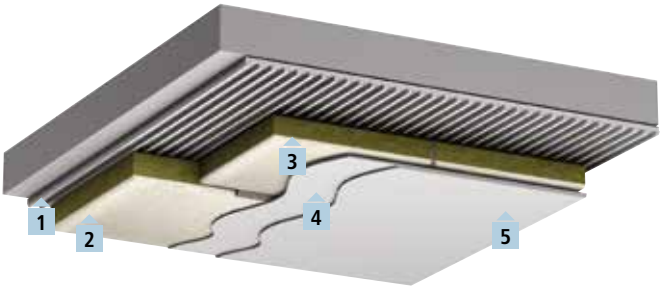


- 1 Sto Unequal Channel (07989-049)
- 2 Sto Primary Channel (07989-076)
- 3 Sto Secondary Channel (07989-076)
- 4 Sto Nonius Hanger (07989-012)
- 5 Sto Braced Cross Connector (07989-015)

Important

Epoxy Powder (EP) metal work required for swimming pools and humid environments.

System Overview - Direct



- 1 StoSilent Coll
- 2 StoSilent Board
- 3 StoSilent Filler
- 4 StoSilent Top Basic
- 5 StoSilent Décor M or StoSilent Top Basic

Designed primarily for fixing directly to the soffit or walls, StoSilent Direct offers high sound absorption with either jointed or seamless finishes.

- Composite mineral wool boards with high acoustic absorbency and factory-applied sub-coat
- Sound absorption values up to $0.95\alpha_w$
- Seamless finishes with StoSilent Top Basic or Décor M
- System with visible joints using StoColor Climasan paint that also adds an odour-absorbing effect
- Non-combustible fire rating A2-s1-d0 in accordance with EN13501-1

Acoustic Distance Panels



StoSilent Distance System

Standard absorbency, B fire rated

Art No.	Size	Packing	Consumption	Delivery
StoSilent Board 315 for StoSilent Décor M finish				
03223-005	2400 x 1200 x 15 mm	2.88 m ² each	0.35 no. / m ²	A
03223-004	1200 x 800 x 15 mm	0.96 m ² each	1.04 no. / m ²	A
StoSilent Board 310 for StoSilent Décor M finish, with impermeable backing				
03255-008	2400 x 1200 x 15 mm	2.88 m ² each	0.35 no. / m ²	B
03255-007	1200 x 800 x 15 mm	0.96 m ² each	1.04 no. / m ²	B
StoSilent Board 305 for StoSilent Top finish				
03499-007	2400 x 1200 x 15 mm	2.88 m ² each	0.35 no. / m ²	B
03499-006	1200 x 800 x 15 mm	0.96 m ² each	1.04 no. / m ²	A
StoSilent Board 300 for StoSilent Top finish with impermeable backing				
04865-011	2400 x 1200 x 15 mm	2.88 m ² each	0.35 no. / m ²	C
04865-010	1200 x 800 x 15 mm	0.96 m ² each	1.04 no. / m ²	C



StoSilent Distance Flex System

Standard absorbency, B fire rated

Art No.	Size	Packing	Consumption	Delivery
StoSilent Board 315F for StoSilent Décor M finish				
03253-005	2400 x 1200 x 15 mm	2.88 m ² each	0.35 no. / m ²	C
03253-004	1200 x 800 x 15 mm	0.96 m ² each	1.04 no. / m ²	C
StoSilent Board 310F for StoSilent Décor M finish, with impermeable backing				
03553-005	2400 x 1200 x 15 mm	2.88 m ² each	0.35 no. / m ²	C



StoSilent Distance A2 System

Standard absorbency (* = High Absorbency), A2 fire rated

Art No.	Size	Packing	Consumption	Delivery
StoSilent Board 210 for StoSilent Décor M finish, with impermeable backing				
04934-007	1200 x 800 x 25 mm	0.96 m ² each	1.04 no. / m ²	C
StoSilent Board 200 for StoSilent Top finish, with impermeable backing				
04935-007	1200 x 800 x 25 mm	0.96 m ² each	1.04 no. / m ²	C
*StoSilent Board 115 for StoSilent Décor M finish				
03594-009	1200 x 625 x 25 mm	0.75 m ² each	1.33 no. / m ²	B
*StoSilent Board 110 for StoSilent Décor M finish, with impermeable backing				
03566-001	1200 x 625 x 25 mm	0.75 m ² each	1.33 no. / m ²	C
*StoSilent Board 105 for StoSilent Top finish				
04779-008	1200 x 625 x 25 mm	0.75 m ² each	1.33 no. / m ²	C
*StoSilent Board 100 for StoSilent Top finish, with impermeable backing				
03548-001	1200 x 625 x 25 mm	0.75 m ² each	1.33 no. / m ²	C

StoSilent Access Panel

Art No.	Size	Packing	Delivery
07166-002	600 x 600 x 44 mm	1 each	B
07166-003	600 x 600 x 54 mm	1 each	B

Bonding and Jointing - Distance



StoSilent Plan

Synthetically bound intermediate plaster for smoothing joints in Sto acoustic panel systems

Art No.	Packing	Consumption	Delivery
01207-002	20 kg pail	0.20-0.25 kg per m ²	A



StoSilent Fix

Gypsum based joint adhesive for Sto acoustic panel systems

Art No.	Packing	Consumption	Delivery
01208-001	5 kg sack	0.3 kg / m ²	A

Finishes - Distance



StoSilent Décor M

Silicate bound, acoustically transparent coating with light texture

Art No.	Colour	Packing	Consumption	Delivery
00158-028	natural white	18 kg pail	2.7 kg per m ² (3 coats)	A
00158-027	tinted	18 kg pail	2.7 kg per m ² (3 coats)	B



StoSilent Décor MF

Synthetically bound, acoustically transparent coating

Art No.	Colour	Packing	Consumption	Delivery
00166-017	natural white	18 kg pail	1.0 kg per m ² (1 coat)	B
00166-016	tinted	18 kg pail	1.0 kg per m ² (1 coat)	B



StoSilent Top

Synthetically bound, sound permeable base coat and smooth, natural white finish

StoSilent Top Basic (Base Coat)

Art No.	Colour	Packing	Consumption	Delivery
03742-002	white (tintable)	18 kg pail	2.2 kg per m ² (2 mm coat)	A

StoSilent Top Finish (Top Coat)

Art No.	Colour	Packing	Consumption	Delivery
02579-001	natural white	20 kg pail	3.0 kg per m ² (2 mm coat)	A
02579-002	tinted	20 kg pail	3.0 kg per m ² (2 mm coat)	A



Sto Primary & Secondary Channel

Grid support system for StoSilent Distance systems

Art No.	Dimensions	Packing	Consumption	Delivery
07989-076	60 x 27mm x 3m	12 No. bundle	Up to 3.33 m / m ²	A
07989-077	60 x 27mm x 3m EP	12 No. bundle	Up to 2.5 m per m ²	C



Sto Splice Connectors

Splice connectors for connecting primary and secondary channels in their length

Art No.	Description	Packing	Consumption	Delivery
07989-006	Standard	100 No. carton	0.7 No. / m ²	A
07989-052	EP	100 No. carton	0.7 No. / m ²	C



Sto Braced Cross Connectors

Braced cross connectors for connecting primary and secondary channels transversely

Art No.	Description	Packing	Consumption	Delivery
07989-015	Standard	100 No. carton	2.1 No. / m ²	A
07989-053	EP	100 No. carton	2.1 No. / m ²	C



Sto Linear Cross Connectors

Linear cross connectors for StoSilent Distance suspension grid

Art No.	Description	Packing	Consumption	Delivery
07989-036	Standard	100 No. carton	4.2 No. / m ²	B
07989-054	EP	100 No. carton	4.2 No. / m ²	C



Sto Unequal Channel for Upstands

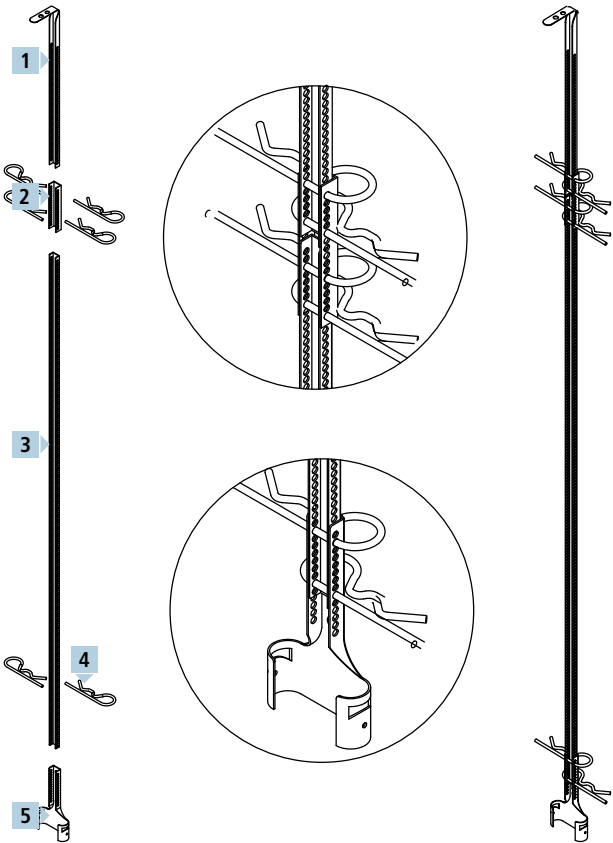
Art No.	Dimensions	Packing	Delivery
07989-037	45 x 28 x 27mm	16 No. bundle	C
07989-069	48 x 28 x 27mm x 3m, EP	16 No. bundle	C



Sto Unequal Channel

Art No.	Dimensions	Packing	Delivery
07989-049	45 x 32 x 27mm x 3m	16 No. bundle	C

StoSilent Nonius Hanger Arrangement



- 1** Sto Strip Hanger, 135mm - 1000mm (07989-xxx)
- 2** Sto Nonius Extension Strip Connector (07989-046)
- 3** Sto Nonius Extension Strip (07989-038)
- 4** Sto Fixing Pins (07989-010)
- 5** Sto Nonius Hanger (07989-012)

Important

Epoxy Powder (EP) metal work required for swimming pools and humid environments.

StoSilent Nonius Hanger Arrangement



Sto Strip Hanger

Strip hangers for StoSilent Distance acoustic systems

Art No.	Size	Packing	Consumption	Delivery
07989-017	135mm	100 No. carton	0.83 No. / m ²	B
07989-018	200mm	100 No. carton	0.83 No. / m ²	A
07989-011	300mm	100 No. carton	0.83 No. / m ²	A
07989-009	400mm	100 No. carton	0.83 No. / m ²	B
07989-005	500mm	100 No. carton	0.83 No. / m ²	B
07989-019	600mm	100 No. carton	0.83 No. / m ²	B
07989-020	700mm	100 No. carton	0.83 No. / m ²	B
07989-021	800mm	100 No. carton	0.83 No. / m ²	B
07989-022	900mm	100 No. carton	0.83 No. / m ²	B
07989-023	1000mm	100 No. carton	0.83 No. / m ²	A



Sto Nonius Extension Strip Connectors

For voids greater than 1m. 4 fixing pins per connector required

Art No.	Packing	Delivery
07989-046	100 No. carton	C



Sto Nonius Extension Strip

Use in conjunction with Nonius Extension Strip Connectors

Art No.	Packing	Delivery
07989-038	20 No. bundle	C



Sto Nonius Hanger

Adjustable hanger for StoSilent Distance suspension grid

Art No.	Description	Packing	Consumption	Delivery
07989-012		100 No. carton	0.83 No. / m ²	A
07989-051	EP	100 No. carton	0.83 No. / m ²	C



Sto Fixing Pins

Fixing pins for StoSilent Distance suspension grid, for use with EP components, paint on site

Art No.	Packing	Consumption	Delivery
07989-010	100 No. carton	1.66 No. / m ²	A



Sto Arch Nonius Hanger

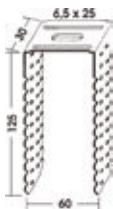
Art No.	Packing	Delivery
07989-056	100 No. carton	C

StoSilent Nonius Hanger Arrangement



Sto Primary Hanger Bracket*

Art No.	Packing	Delivery
07989-067	100 No. carton	C



Sto Direct Fix Wall Bracket

Art No.	Description	Packing	Delivery
07989-007		100 No. carton	A
07989-068	EP	100 No. carton	C

Edge and Stop Beads

StoSilent Profile EW

Corner protection for StoSilent Top

Art No.	Size	Packing	Delivery
04075-012	2m length	25 No. bundle	C

StoSilent Profile AP

Stop beads

Art No.	Size	Packing	Delivery
04075-008	16.5mm (2.5m length)	25 No. bundle	B
04075-010	26.5mm (2.5m length)	25 No. bundle	B

*Epoxy Powder (EP) on request

StoSilent Direct

StoPrim Plex - Surface Preparation

Solvent, plasticiser and emissions free universal primer on acrylate base

Art No.	Packing	Consumption	Delivery
00518-001	10 ltr can	0.1 - 0.4 ltr per m ² (per coat)	C
00518-002	20 ltr can	0.1 - 0.4 ltr per m ² (per coat)	C

StoSilent Prep Quartz - Surface Preparation

Organic bonding agent for Sto-Acoustic Plasters

Art No.	Packing	Consumption	Delivery
00894-006	25kg pail	0.9 kg per m ²	C

StoSilent Coll MW - Adhesive

Mineral system adhesive for StoSilent acoustic systems

Art No.	Packing	Consumption	Delivery
01269-002	25kg sack	3.5 - 4.0 kg per m ²	C

StoSilent Filler

Porous joint filler

Art No.	Packing	Consumption	Delivery
01208-003	2kg sack	0.1 kg per m ²	C

StoSilent Board MW 100, 800 x 600mm

Acoustic panel made of coated mineral wool

Art No.	Depth	Packing	Consumption	Delivery
03225-001	46mm	1 No. each	2.08 No. per m ²	C
03225-002	66mm	1 No. each	2.08 No. per m ²	C



StoSilent Top Basic (Base Coat)

Synthetically bound, sound permeable base coat and smooth, natural white finish

Art No.	Colour	Packing	Consumption	Delivery
03742-002	White	18 kg pail	2.2 kg per m ² (2mm coat)	A



StoSilent Décor M - Finish

Silicate bound, acoustically transparent coating with light texture

Art No.	Colour	Packing	Consumption	Delivery
00158-028	White	18kg pail	2.7 kg per m ² (3 coats)	A
00158-027	Tinted	18kg pail	2.7 kg per m ² (3 coats)	B

StoColor Climasan - Finish

Physiologically harmless, odour-reducing, dead-matt interior dispersion paint

Art No.	Colour	Packing	Consumption	Delivery
02990-001	White	15ltr pail	0.14 ltr per m ² per coat	C
02990-004	Tinted	15ltr pail	0.14 ltr per m ² per coat	C

StoSilent Direct

StoSilent Profile AP 110

Stop profile

Art No.	Size	Packing	Delivery
04075-013	50 x 30 mm, 2m length	1 No. each	C
04075-014	70 x 30 mm, 2m length	1 No. each	C

Stucco Tape

High-quality foam tape with adhesive edge

Art No.	Size	Packing	Delivery
17045-004	70 x 3mm, 30m roll	1 roll	C

StoSeal Band BK

Diffusion-tight adhesive tape

Art No.	Size	Packing	Delivery
08754-005	75 mm, 10m roll	1 roll	C

Tools for Acoustic System Installation



Sto-Smoothing Trowel Small

Trowel with stainless steel blade and wooden handle

Art No.	Size	Packing	Delivery
08288-001	280 x 130 mm	1 each	C



Sto-Smoothing Trowel Large

Trowel with large stainless steel blade and wooden handle

Art No.	Size	Packing	Delivery
08288-002	500 x 130 mm	1 each	C



Sto-Special Smoothing Trowel

Trowel with stainless steel blade and wooden handle

Art No.	Size	Packing	Delivery
08288-029	800 x 130 mm	1 each	C



Sto-Toothed Trowel Large

Trowel with large, serrated stainless steel blade and wooden handle

Art No.	Size	Packing	Delivery
08288-039	480 x 120 mm	1 each	C

Tools for Acoustic System Installation



Sto-Smoothing Trowel

Trowel with plastic blade and wooden handle, for smoothing StoSilent Top acoustic plaster

Art No.	Size	Packing	Delivery
08289-002	280 x 130 x 1 mm	1 each	C



Sto-Gauging Trowel

Gauging trowel with stainless steel blade & gooseneck tang and wooden handle

Art No.	Size	Packing	Delivery
08316-001	180 mm	1 each	C
08327-001	140 mm	1 each	C



Sto-Rasping Board for Grid Grain P120

Art No.	Size	Packing	Delivery
08296-003	240 x 85 mm	1 each	C



Sto-Rasping Grid Grain P120

Art No.	Size	Packing	Delivery
08296-008	280 x 93 mm	1 each	C

Delivery Categories

Each product has a delivery category from A-D. These provide an approximate delivery time following placement of your order:

- A** 5 working days
- B** 7-10 working days
- C** 10-15 working days
- D** 20+ working days

If the delivery date is critical, then please consult the Sto sales office for an accurate forecast. In some cases, a timed charge may apply. This will be confirmed in your order acknowledgement.

Standard deliveries will be made between 8am and 5pm, Monday to Friday.

For collections from a Sto Distribution Centre, please provide a minimum of 1 working day's notice.

All orders are accepted for delivery on a curtain sided vehicle or artic. Alternative requirements must be confirmed in writing and are subject to availability and cost. These will be advised at time of request.

Delivery times quoted are approximations only, and will in some instances be based on the item in an order with the longest delivery time, unless otherwise specified. Sto Ltd. accepts no liability for failure to achieve delivery times.



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