

Acoustic design ceilings

VoglFuge® / VoglJoint system
Technical information



VoglFuge® / VoglJoint



Ceilings *without filler*

With air purification
as standard

Create perfect
acoustic designer ceilings with
the VoglFuge® / VoglJoint system

Acoustic design ceilings

VoglFuge® / VoglJoint system

Perforation patterns and Sound absorption values

With air purification
as standard



Article	Article No.	Description	Details	m ² / pallet boards / pallet
	7011101110	Acoustic design panel VF 6/18R Acoustic fleece, black	1188 x 1998 x 12.5 mm Perforated area: 8.7% Weight: 9.1 kg/m ²	59.3 m ² / pallet 25 boards / pallet
	7011101120	Acoustic design panel VF 6/18R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.55$ sound absorption class D Backed with 30 mm glass wool: $\alpha_w = 0.55$ sound absorption class D	Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	
	7011102110	Acoustic design panel VF 8/18R Acoustic fleece, black	1188 x 1998 x 12.5 mm Perforated area: 15.5% Weight: 8.5 kg/m ²	59.3 m ² / pallet 25 boards / pallet
	7011102120	Acoustic design panel VF 8/18R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.70$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.75$ sound absorption class C	Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	
	7011103110	Acoustic design panel VF 10/23R Acoustic fleece, black	1196 x 2001 x 12.5 mm Perforated area: 14.8% Weight: 8.5 kg/m ²	59.8 m ² / pallet 25 boards / pallet
	7011103120	Acoustic design panel VF 10/23R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.70$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.70$ sound absorption class C	Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	
	7011104110	Acoustic design panel VF 12/25R Acoustic fleece, black	1200 x 2000 x 12.5 mm Perforated area: 18.1% Weight: 8.2 kg/m ²	60.0 m ² / pallet 25 boards / pallet
	7011104120	Acoustic design panel VF 12/25R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.70$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.80$ sound absorption class B	Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	
	7011105110	Acoustic design panel VF 15/30R Acoustic fleece, black	1200 x 1980 x 12.5 mm Perforated area: 19.6% Weight: 8.0 kg/m ²	59.4 m ² / pallet 25 boards / pallet
	7011105120	Acoustic design panel VF 15/30R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.75$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.80$ sound absorption class B	Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	
	7011106110	Acoustic design panel VF 8/12/50R Acoustic fleece, black	1200 x 2000 x 12.5 mm Perforated area: 13.1% Weight: 8.7 kg/m ²	60.0 m ² / pallet 25 boards / pallet
	7011106120	Acoustic design panel VF 8/12/50R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.65$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.70$ sound absorption class C	Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	

Acoustic design ceilings

VoglFuge® / VoglJoint system

Perforation patterns and Sound absorption values



Article	Article No.	Description	Details	m ² / pallet boards / pallet
	7011107110	Acoustic design panel VF 12/20/66R Acoustic fleece, black	1188 x 1980 x 12.5 mm Perforated area: 19.6% Weight: 8.0 kg/m ² Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	58.8 m ² / pallet 25 boards / pallet
	7011107120	Acoustic design panel VF 12/20/66R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.70$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.80$ sound absorption class B		
	7011108110	Acoustic design panel VF 8/18Q Acoustic fleece, black	1188 x 1998 x 12.5 mm Perforated area: 19.8% Weight: 8.0 kg/m ² Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	59.3 m ² / pallet 25 boards / pallet
	7011108120	Acoustic design panel VF 8/18Q Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.75$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.85$ sound absorption class B		
	7011109110	Acoustic design panel VF 12/25Q Acoustic fleece, black	1200 x 2000 x 12.5 mm Perforated area: 23.0% Weight: 7.7 kg/m ² Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	60.0 m ² / pallet 25 boards / pallet
	7011109120	Acoustic design panel VF 12/25Q Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.75$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.90$ sound absorption class A		
	7011110110	Acoustic design panel VF 8/15/20R Acoustic fleece, black	1200 x 2000 x 12.5 mm Perforated area: 9.5% Weight: 9.1 kg/m ² Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	60.0 m ² / pallet 25 boards / pallet
	7011110120	Acoustic design panel VF 8/15/20R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.55$ sound absorption class D Backed with 30 mm glass wool: $\alpha_w = 0.60$ sound absorption class C		
	7011111110	Acoustic design panel VF 12/20/35R Acoustic fleece, black	1200 x 2000 x 12.5 mm Perforated area: 11.0% Weight: 8.9 kg/m ² Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	60.0 m ² / pallet 25 boards / pallet
	7011111120	Acoustic design panel VF 12/20/35R Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.55$ sound absorption class D Backed with 30 mm glass wool: $\alpha_w = 0.60$ sound absorption class C		
	7011112110	Acoustic design panel VF 5/82/15.SL Acoustic fleece, black	1186 x 1984 x 12.5 mm Perforated area: 21.5% Weight: 7.9 kg/m ² Long edge: sharp-edged (SK) Short edge: sharp-edged (SK) Delivery includes VoglJoint system kit	58.8 m ² / pallet 25 boards / pallet
	7011112120	Acoustic design panel VF 5/82/15.SL Acoustic fleece, white Rated sound absorption: $\alpha_w = 0.70$ sound absorption class C Backed with 30 mm glass wool: $\alpha_w = 0.85$ sound absorption class B		

Acoustic design ceilings

Perforation patterns

Block slots and Block perforations

Block slots

Schematic drawing - visible side										
Design	Slot	Slots per „block“		Perimeter (unslotted)		Perforated area %	Board dimensions (standard size)		Grid centres mm	Edge type
		Short	Long	Short mm	Long mm		Width mm	Length mm		
4F	5/82/15.4SL	69	4	73.9	73.3	15.7	1200	2400	300	SK
8F	5/82/15.4SL	30	4	73.9	73.3	13.7	1200	2400	300	SK
8/16F	5/82/15.4SL	4 x 6	4	73.9	73.3	10.9	1200	2400	300	SK

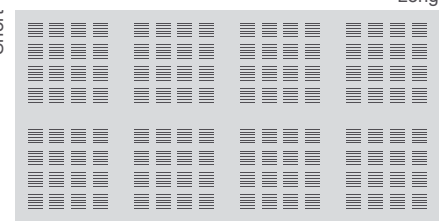
Block slot 4F



Block slot 8F



Block slot 8/16F

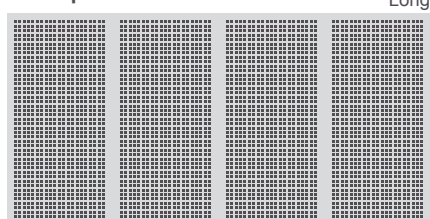


Slot only possible lengthways in ceiling panels.

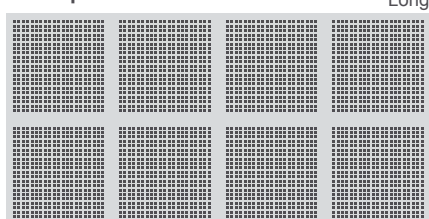
Block perforations

Schematic drawing - visible side										
Design	Slot	Slots per „block“		Perimeter (unslotted)		Perforated area %	Board dimensions (standard size)		Grid centres mm	Edge type
		Short	Long	Short mm	Long mm		Width mm	Length mm		
4F	8/18R	64	30	41	41	12.9	1224	2448	312.5	SK
	12/25R	45	21	44	44	14.9	1200	2400	300	SK
	12/25Q	45	21	44	44	18.9	1200	2400	300	SK
8F	8/18R	30	30	41	41	12.1	1224	2448	312.5	SK
	12/25R	21	21	44	44	13.9	1200	2400	300	SK
	12/25Q	21	21	44	44	17.7	1200	2400	300	SK
32F	8/18R	13	13	41	41	9.1	1224	2448	312.5	SK
	12/25R	9	9	44	44	10.2	1200	2400	300	SK
	12/25Q	9	9	44	44	13.0	1200	2400	300	SK

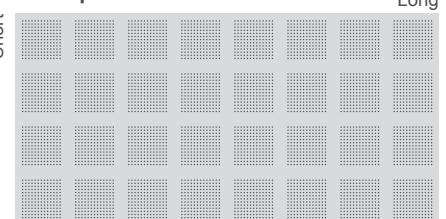
Block perforation 4F



Block perforation 8F



Block perforation 32F



Example: 12/25Q

Example: 12/25Q

Example: 8/18R

Acoustic design ceilings

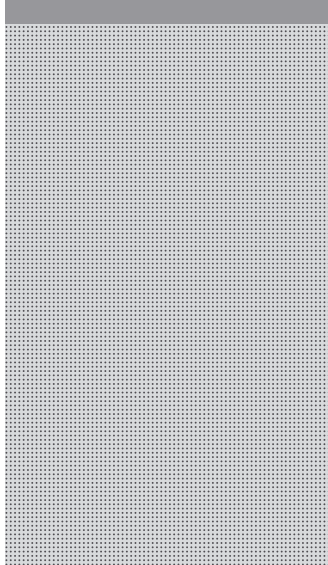
VoglFuge® / VoglJoint system

Special designs

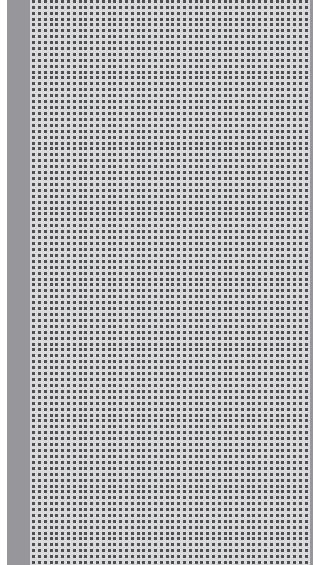


VoglJoint panels with non-perforated edges

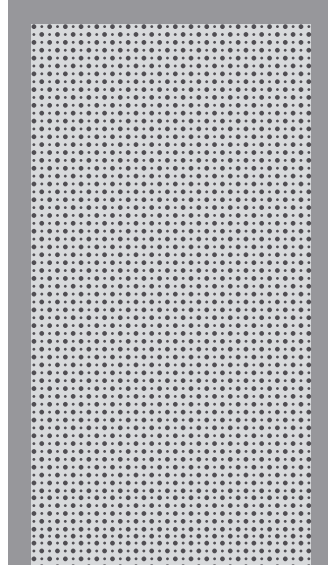
1 side non-perforated



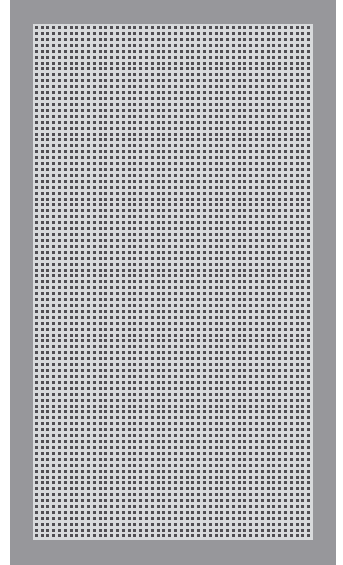
2 sides non-perforated



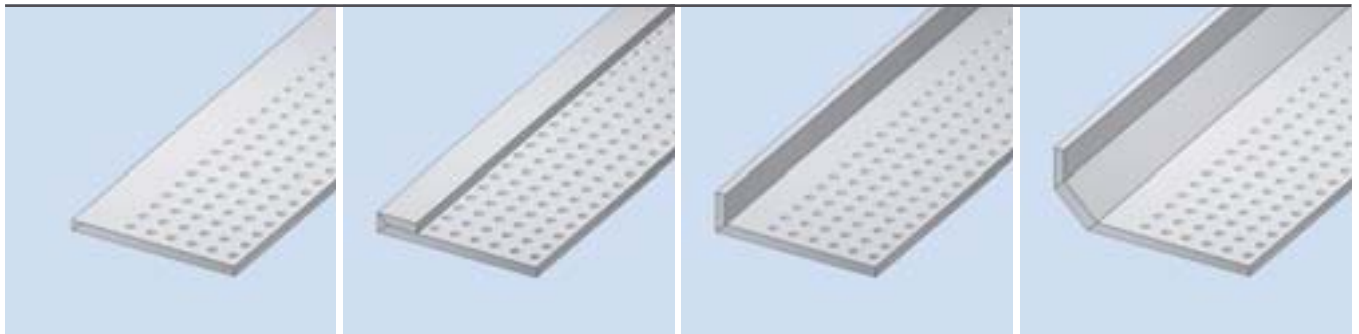
3 sides non-perforated



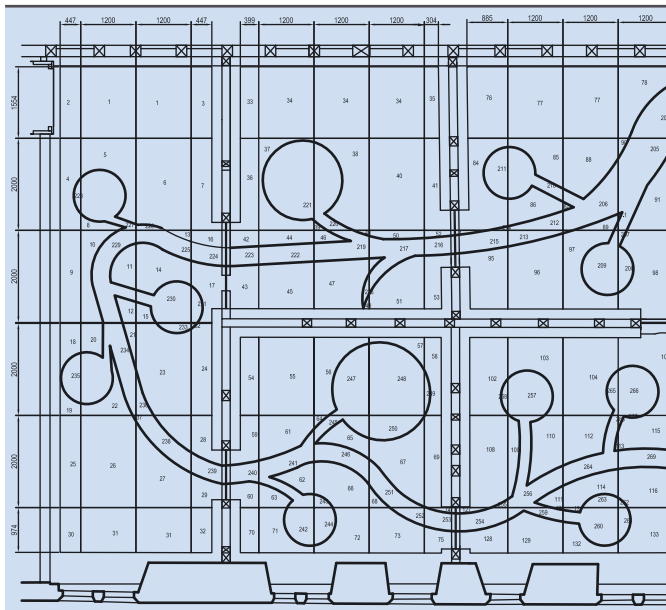
4 sides non-perforated



VoglJoint panels with custom components



VoglJoint panels according to layout plan



Is your ceiling supposed to be not only acoustically highly effective but also visually outstanding?

We are always pleased to help; our experts can adapt our designer acoustic panels exactly to your desired ceiling surface area. By manufacturing ceiling systems to plan, you not only receive individual and perfectly fitted acoustic design panels, but you also receive a layout plan to meet site requirements, guaranteeing reliable results on site. Our moulded parts, stretched ceilings and ceiling mounting parts can be perfectly integrated into your planned ceiling surface.



Acoustic design ceilings

CD/CD Framework
System structure



The primary profiles are hung from the structural soffit with suspended brackets using fixing materials approved by the relevant building authorities. The grid centres and number of suspended brackets, as well as the fixing device, are subject to site requirements and EN 13964/DIN 18181. The CG 60/27 secondary profiles are attached to the primary profiles CD 60/27 using cross connectors.

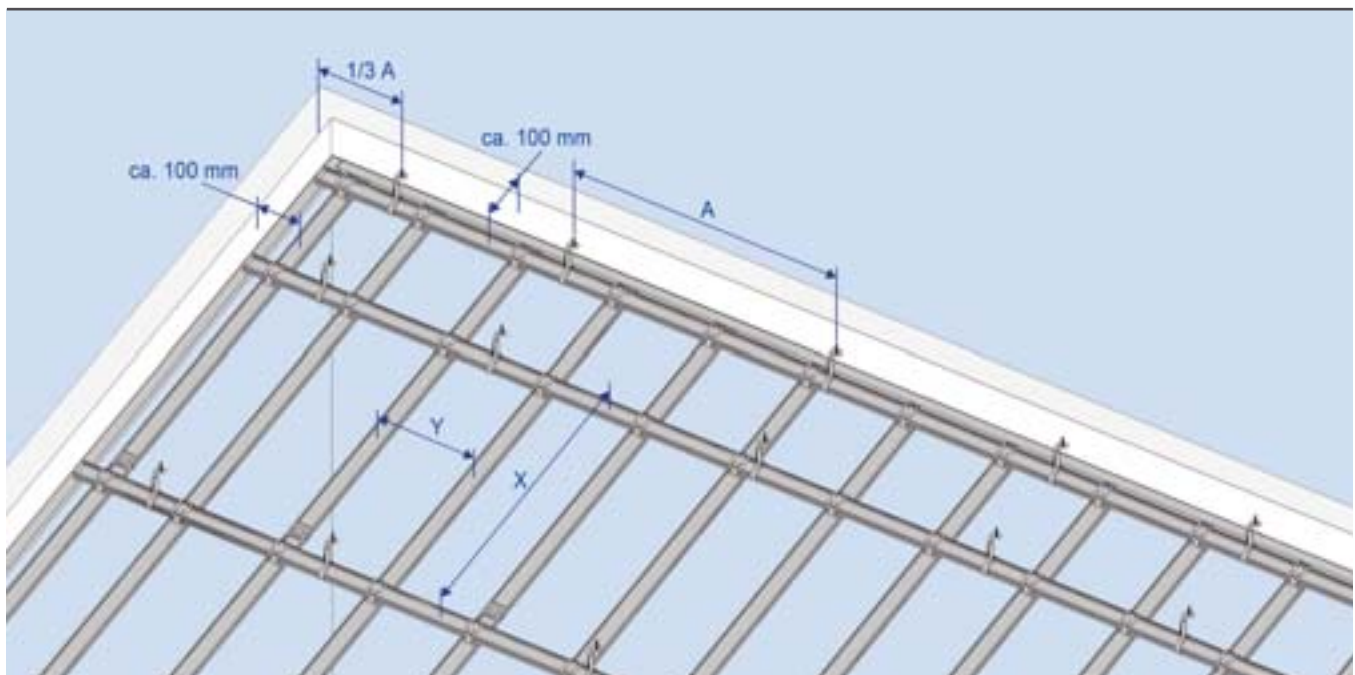
CD 60/27 is extended using straight connectors. For primary grid profiles always ensure that the joint is close to a suspended bracket (max. 100 mm). For secondary grid profiles joints are generally offset from each other.

The plasterboards should be installed in accordance with EN 13964/DIN 18181 and the manufacturer's guidelines.

Additional items such as lighting, ventilation, sprinkler systems etc. must be independently supported.

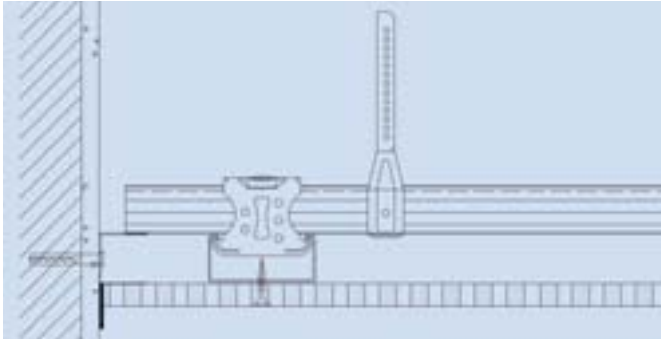
Any changes in the grid resulting from additional ceiling mounted items must be considered.

Construction specification		Perforated panel ceiling						
Panel thickness	mm	12.5						
Distributed load	kN/m ²	≤ 0.15					≤ 0.30	
Centre distance of suspended bracket A	mm	1150	1050	1000	950	900	900	750
Centre distance of primary grid X	mm	600	800	900	1000	1100	600	1000
Centre distance of secondary grid Y								
Acoustic design panels 6/18; 8/18; 8/18Q; 10/23; 12/25; 12/25Q; 8/12/50; 8/15/20; 12/20/35	mm	333						
Acoustic design panels 15/30; 12/20/66	mm	330						
Acoustic slot panels 5/82/15.4	mm	250						



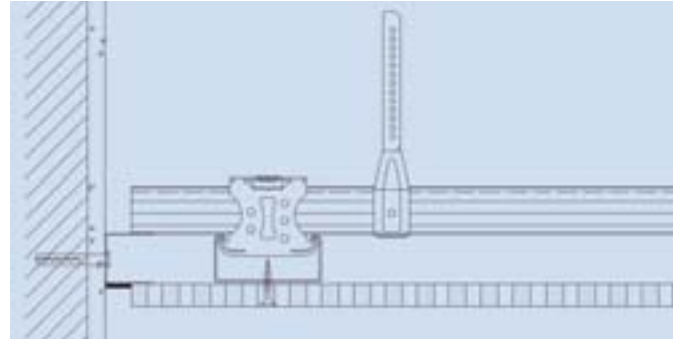
Acoustic design ceilings

CD/CD Framework
System structure



Wall connection – rigid

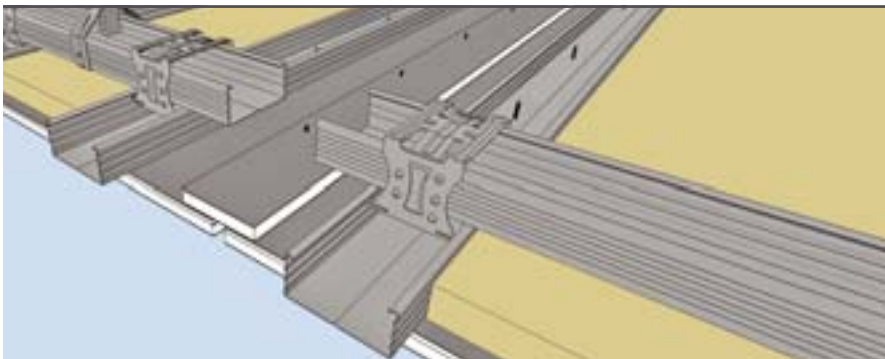
For rigid wall connections a double layer fleece strip is used to separate the acoustic ceiling from the wall.



Wall connection – shadow gap

For wall connections with a shadow gap the panel is only installed up to the UD profile. A strip of double layer fleece can be fitted in the shadow gap to conceal the profile.

Please contact us if you require additional details or advice on possible wall connections.



Expansion joints:

To reduce the risk of cracking expansion joints should be installed every 10 linear metres/100 m² of the ceiling area.

The framework must be completely separated (see diagram) and the additional board strips above the joint must only be fixed to one side.

Tip: These board strips can be covered with double layer fleece on the visible side to colour the expansion joint in either black or white.

Material required per m² based on a ceiling of 100 m² (10 m x 10 m, with no allowance for wastage)

Metal framework, suspended bracket centres 1000 mm, primary grid centres 900 mm, secondary grid centres 333 mm			
Article No.	Article description	Unit	Quantity
2016X000 50809000 20128 / 20151 25501000 25XXX000	Fixtures		
	Safety nail, DN 6 x 35	piece	1.3
	Suspended brackets		
	Direct suspended bracket 50/120/200	piece	1.3
	Tapping screw LN 3.5 x 9.5	piece	2.6
	or		
	Vernier hanger / Vernier base	piece	1.3
	Vernier safety bolt	piece	1.3
	Vernier top, 200-2400 mm	piece	1.3
100XX000 10230000 20159000 20135000 52130000	Profiles and Connectors		
	CD profile 60/27/0.6 rK, L=XXX mm	m	4.1
	UD profile 28/27/0.6, 3000 mm	m	0.4
	Connector, straight, CD 60/27	piece	0.8
	Cross connector, CD 60/27	piece	3.3
	Perforated panel screw SN 3.5 x 30	piece	22

Acoustic design ceilings

Installation guide 117

VoglFuge® / VoglJoint – Ceiling panel installation

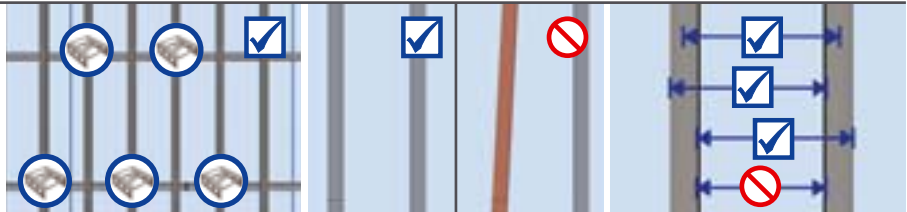
Check that the ceiling grid is rigid and level (using a straight edge)



Then check the centres of the ceiling grid CD sections and adjust as necessary

Always fit straight connectors offset (see figure)

Centre distances must be measured accurately



By viewing from the entrance to the area choose the panel arrangement with short edge parallel to the windows (main light source)



Locate the centre of the room to position the first ceiling panel and take into account the resulting ceiling perimeter to wall connections



We recommend the following accessories for installation:

Perforated panel screw including screw bit

Correct handling of ceiling panels:

- Always take into account the building's loading capacity when storing ceiling panels
- Do not store ceiling panels upright. Always store flat on pallets
- Always carry ceiling panels with short edges upright
- Protect ceiling panels from damp, relative humidity 40 - 80%
- Avoid major temperature fluctuations
- Do not expose the stored ceiling panels to direct sunlight

Locate the panel in the correct position on the grid using a panel lifter if you are installing the panels alone. Alternatively, position it with the help of another person

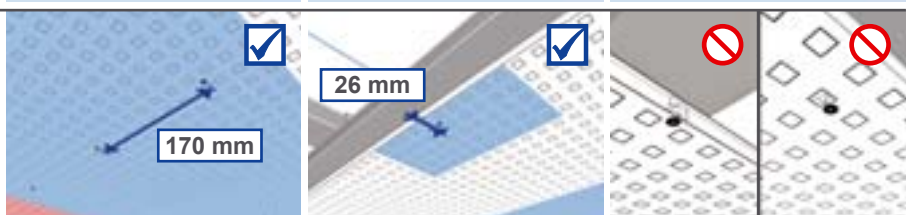


Perforation pattern	Centre distance
Straight round perforation 6/18, 8/18, 10/23, 12/25 Offset round perforation 8/12/50, Straight square perforation 8/18, 12/25 Random perforation 8/15/20, 12/20/35	333 mm
Straight round perforation 15/30 Offset round perforation 12/20/66	330 mm
Slot perforation 5/82/15.4	250 mm

Screw the panel into place ensuring that the screws are at right angles to the panel. The countersunk head must be screwed in up to 0.5 mm below the board's face



Screw centres should be a maximum 170 mm from apart. At board edges screws should be a maximum 26 mm from the board edge. Avoid damaging the designer acoustic panels with countersunk heads



Screw the ceiling panel to the grid in the centre of the panel first, then lower the panel lifter, then fix a screw in the middle of each of the short sides at the edge



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Installation guide 117

VoglFuge® / VoglJoint – Ceiling panel installation

Take note of panel labelling (stamp) and mount in the direction of reading (all stamps should point in the same direction)



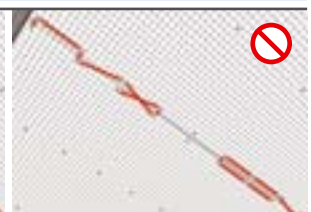
Use a CD profile or straight edge as an end stop. Position the next panel beside the first by sliding it along the CD profile or straight edge and fix in place



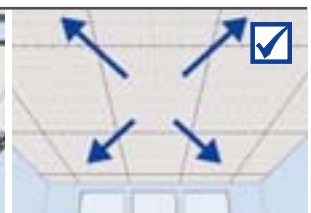
General site conditions / manufacturer's instructions

- Take into account the building structures movement joints
- Plan to include expansion joints after every 10 m or every 100 m²
- Do not allow screw heads to go through the plasterboard. Screw heads should be slightly below the board surface
- The working temperature should be at least +10°C and the building site temperature should not be below +5°C
- Install insulation (mineral wool layers) directly on to the ceiling panels
- Carry out any additional work on the ceiling (inspection openings, light recesses etc.) immediately after installing the ceiling panels and always before forming joints

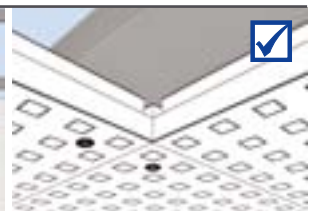
Fix the screws in the panel joint area using alternating pairs across the panels (the "zig-zag" principle), starting on the left or right next to the locating screw which has already been fixed. This will create flush joint areas



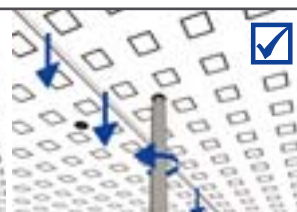
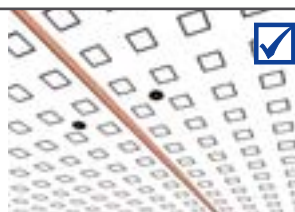
The ceiling panels are first installed lengthways, then crossways, resulting in a cross arrangement on the ceiling. The remaining areas are then boarded in the same manner, working from the centre of the room outwards



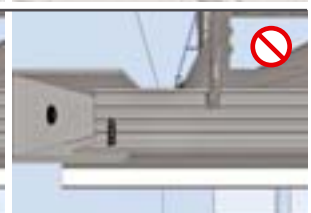
Lay the remaining ceiling panels edge-to-edge, always checking that the joints are level. Do not stagger the joints



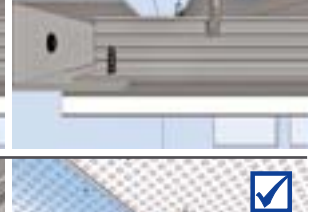
After all the panels have been installed, recheck that all joints are level and adjust, if necessary, using a screwdriver. Then check with a straight edge



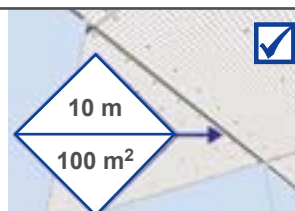
Insulation can be laid directly onto the ceiling panels in the void if required



Never screw into the UD28 profile when mounting panels at the ceiling perimeter, sliding wall connections are also always required



An expansion joint of 5-10 mm must be provided for every 10 running metres / 100 m²



The additional board strips above the joint must only be fixed on one side



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VoglFuge® / VoglJoint – Joint finishing



Important! All work that could result in damage to the ceiling surface must be completed before commencing jointing.

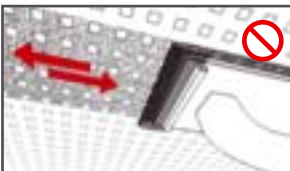
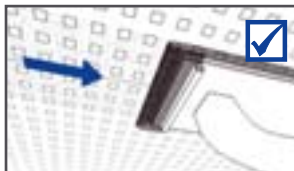
Check the ceiling. Level out any height discrepancies in the panel joint areas using a screwdriver, if necessary repair any chips or damage to the plasterboard. Then spot fill the screw heads in the joint areas



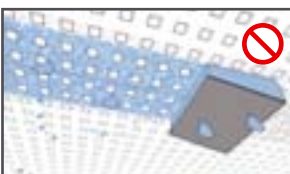
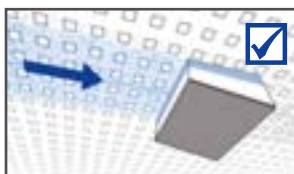
VoglFuge® / VoglJoint system kit contents:

Vogl liquid glue, Vogl strip dispenser incl. 8 mm strip, sponge, mixing stick, roller grid, lambskin roller, sanding pad, sanding paper, Vogl screw head and repair filler, plastic filling knife, Vogl perforated panel screws incl. bit

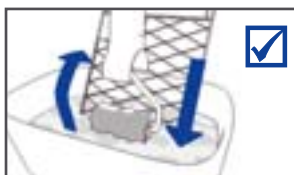
Use a coarse sanding pad to remove any protruding pieces of plasterboard. Only sand in the direction of the joint



Slightly dampen the joint area using the sponge in the direction of the joint

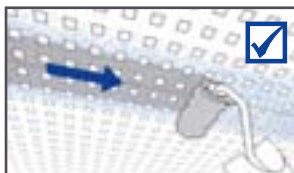


Ensure the liquid glue is evenly distributed on the lambskin roller by rolling downwards over the roller grid supplied



Vogl liquid glue = Ready mix

Apply the liquid glue using the lambskin roller. The fine texture of the lambskin roller must be visible



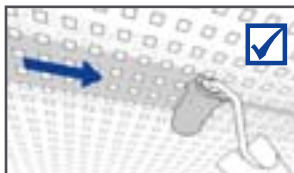
General site conditions/ manufacturer's instructions

- Only store liquid glue in a ** frost free environment **
- Close liquid glue containers securely during long breaks in work
- Stir well before use
- The application temperature for the glue should be at least +10°C and the environment temperature not below +5°C
- Avoid fast heating and cooling of rooms
- Relative humidity: 40-80%
- The ceiling grid must be installed level and be adequately rigid
- Self-levelling, cement or asphalt screeds must be fully dried – no residual moisture
- Jointing strips must only be applied „end to end“ – i.e. not overlapping

Fix the strip, with the rubber side towards the board, in the middle of the joint which is already wet with liquid glue. Using your left thumb press on the strip until glue comes out from both sides of the strip, bringing your left thumb along the strip to meet your right thumb. Follow the same procedure for the next joint



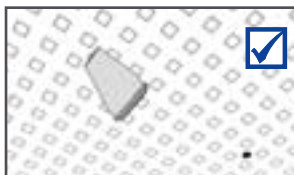
Now coat the joint area generously with liquid glue roll the lambskin roller over the joint, applying slight pressure. The texture of the lambskin roller must be clearly visible



System's drying time: 12 hrs



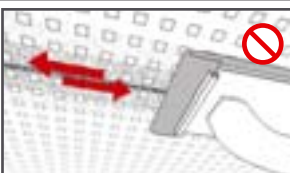
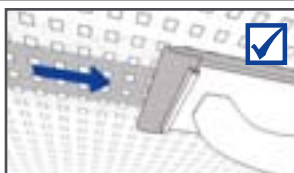
While the joints are drying use the time to fill the remaining screw heads in the field of the boards using screw head and repair filler



Surface treatment for painters (in accordance with GTC paintwork DIN 18363)

- Only apply coating by roller, spray applications are not permitted!
- In general, a suitable primer should be applied prior to application of coloured paints in accordance with the relevant paint manufacturer's instructions
- Recommended manufacturer's drying times for both primers and finishing coats must be strictly adhered to
- Alkaline coatings are unsuitable for gypsum plasterboards
- 3 coats of paint must be applied (1 x primer + 2 x finishing coats)
- Always consult the relevant manufacturer's technical data sheets for primers and finishing coats

Once the joints have fully dried gently sand the texture left by the lambskin roller using the sanding paper. Only sand in the direction of the joint: do not cross sand!



Acoustic design ceilings

VoglFuge® / VoglJoint system
Advantages



Ceilings without filler

Designer acoustic ceilings meet the highest demands on performance and aesthetics for interior design. Such ceiling systems serve as noise absorbers, allow ventilation and at the same time offer beautiful aesthetics in public areas. For this reason precision finishing is especially required. With conventional ceiling solutions, errors can go unseen

during installation but are immediately visible in the finished product and seriously affect the final appearance.

This is where the system Vogl Joint differs, a system which achieves designer acoustic ceilings quickly, economically and with the most reliability during installation for guaranteed results.



Advantages of VoglFuge® / VoglJoint system

The unique joint technology offers maximum reliability for installation and finishes:

- Quick mounting of panels – “edge to edge”
- No more complex aligning of panels
- Quickest possible joint finishing with our unique VoglFuge® / VoglJoint strip
- Significant time saving due to quick installation and drying times
- Maximum crack resistance
- Less dust and moisture
- Everything required with the VoglFuge® / VoglJoint system kit including perforated panel screws SN 3.5x30 mm



The VoglFuge® / VoglJoint system kit contains all the necessary material, required tools and a detailed installation guide for maximum reliability on site and guaranteed results

The right tools at the right time in exactly the right place

Acoustic design ceilings

VoglFuge® / VoglJoint system

Tender specification



Acoustic design panels

(with air purification effect) – VoglFuge® / VoglJoint system

A suspended ceiling construction, clad with Vogl acoustic designer panels, with sound absorbing fleece on the reverse side, fixed to a rigid ceiling framework constructed using zinc plated metal profiles, suspended horizontally and correctly aligned using suspension brackets and installed using materials and fixings approved by the building authorities, designed in accordance with manufacturer's instructions, including all connection and jointing work, connection and fixing materials.

System Structure

Framework in accordance with DIN 18181:2007-02

Profiles:

Pressure-resistant design made from zinc-plated steel plate profiles CD 60/27 as primary and secondary profiles in accordance with EN 14195

Suspended brackets:

- Suspended brackets with vernier systems (top, vernier hanger),*
- Suspended brackets with vernier systems (top, base),*
- Suspended brackets with direct suspended brackets,*,
- Installed using fixing materials approved by the relevant building authorities.

Connection:

Primary-secondary profile connection using cross connectors*, suspended brackets and cross connectors in accordance with EN 13964,

Suspended bracket centre distance: max. 900 mm,

Primary profile centre distance: max. 1100 mm,

Secondary profile centre distance: 250 / 330 / 333 mm*

Boarding:

Vogl acoustic designer panels are perforated ceiling panels in accordance with EN 14190, with air purification effect, one layer 12.5 mm, laid edge to edge (butt jointed) and fixed to the framework using perforated panel screws SN 30, with screw centres max. 170 mm.

Perforation pattern / perforated area / mass:

- 6/18 round / 8.7 % / 9.1 kg/m²*
- 8/18 round / 15.5 % / 8.5 kg/m²*
- 10/23 round / 14.8 % / 8.6 kg/m²*
- 12/25 round / 18.1 % / 8.2 kg/m²*
- 15/30 round / 19.6 % / 8.0 kg/m²*
- 8/12/50 round / 13.1 % / 8.7 kg/m²*
- 8/15/20 round / 9.5 % / 9.1 kg/m²*
- 12/20/35 round / 11.0 % / 8.9 kg/m²*
- 12/20/66 round / 19.6 % / 8.0 kg/m²*
- 8/18 square / 19.8 % / 8.0 kg/m²*
- 12/25 square / 23.0 % / 7.7 kg/m²*
- 5/82/15.4 SL / 21.5 % / 7.9 kg/m²*

Distributed load:

- less than or equal to 0.15 kN/m²*
- less than or equal to 0.30 kN/m²*

Fleece:

Panels covered on reverse with sound absorbing fleece as:

- Acoustic fleece, black,*,
- Acoustic fleece, white,*,

Joint installation / filling:

Screw heads filled level using Vogl screw head and repair filler, all joint finishing carried out using the VoglJoint system in accordance with manufacturer's instructions.

Surface:

Suspension height: h = mm

Installation height: h = mm

Room height: h = mm

Insulation thickness: d = mm

Whole system: Vogl Deckensysteme or equivalent

* Delete as applicable

Take advantage of our wide range of online support services including brochures, newsletters, detailed plans, invitations of tenders and installation guides available as PDF and with animation.



Online support, making your job easier:
www.vogl-ceilingssystems.com

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