



atkargroup

Acoustic Linings | Wall & Ceiling Systems

Voglfuge

Continuously perforated plasterboard acoustic ceiling



**BCA GROUP 1
FIRE RATING**





Designer Ceilings Without Filler

Designed and manufactured in Germany, VoglFuge by Atkar Group is the leader in the acoustic plasterboard ceiling market and has a BCA Group 1 fire rating across the range.

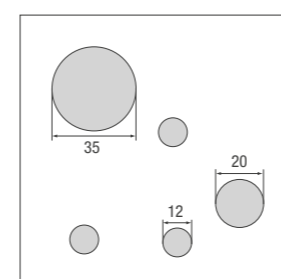
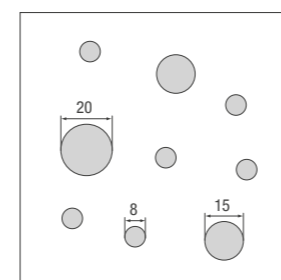
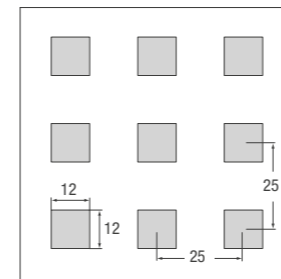
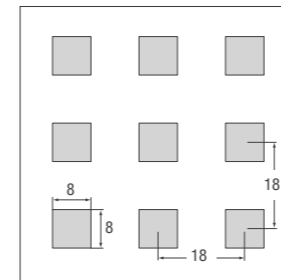
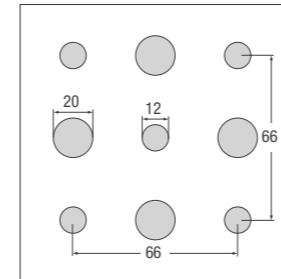
The VoglFuge system delivers stunning, continuously perforated acoustic ceilings efficiently and economically. With its patented joint tape glue system there is no need to use caulking or compound joint filling, which means less drying time, faster installation and maximum crack resistance.

Benefits of the VoglFuge System:

- ✓ Group 1 fire rating
- ✓ Excellent acoustic control
- ✓ GECA certified
- ✓ Simple and efficient installation
- ✓ Maximum crack resistance
- ✓ Seamless finish



Pattern	Ceiling Cavity (mm)	Hz α	Frequency						aw	NRC	Open Area %	BCA Group Rating	
			125	250	500	1000	2000	4000					
6/18R													
No insulation	65		0.15	0.25	0.45	0.6	0.5	0.4	0.5	8.7%		Group 1 Rating	
	100		0.2	0.45	0.6	0.6	0.5	0.45	0.55				0.55
	200		0.32	0.43	0.56	0.51	0.49	0.5	0.55				0.5
	400		0.4	0.55	0.55	0.55	0.55	0.5	0.55				0.55
30mm Glass Wool	65		0.3	0.45	0.5	0.55	0.5	0.5	0.55				
	100		0.35	0.55	0.6	0.6	0.5	0.5	0.6				0.55
	200		0.36	0.47	0.55	0.55	0.54	0.54	0.55				0.55
	400		0.4	0.55	0.55	0.6	0.6	0.55	0.6				0.55
8/18R													
No insulation	65		0.1	0.25	0.6	0.8	0.7	0.55	0.55	15.5%		Group 1 Rating	
	100		0.2	0.5	0.75	0.8	0.6	0.6	0.7				0.65
	200		0.31	0.61	0.74	0.67	0.63	0.66	0.7				0.65
	400		0.5	0.7	0.65	0.8	0.65	0.65	0.7				0.65
30mm Glass Wool	65		0.25	0.5	0.7	0.8	0.75	0.65	0.75				
	100		0.3	0.7	0.8	0.8	0.7	0.65	0.75				0.75
	200		0.38	0.66	0.74	0.73	0.74	0.75	0.75				0.7
	400		0.5	0.65	0.7	0.8	0.75	0.75	0.75				0.7
10/23R													
No insulation	65		0.1	0.25	0.6	0.7	0.7	0.55	0.55	14.8%		Group 1 Rating	
	100		0.2	0.5	0.75	0.8	0.6	0.55	0.65				0.65
	200		0.31	0.6	0.72	0.63	0.61	0.61	0.7				0.65
	400		0.3	0.65	0.8	0.75	0.7	0.65	0.75				0.75
30mm Glass Wool	65		0.25	0.45	0.65	0.7	0.65	0.65	0.65				
	100		0.5	0.7	0.65	0.7	0.65	0.6	0.7				0.65
	200		0.37	0.63	0.71	0.71	0.72	0.72	0.7				0.7
	400		0.5	0.65	0.7	0.8	0.75	0.7	0.75				0.7
12/25R													
No insulation	65		0.1	0.25	0.6	0.8	0.75	0.5	0.55	18.1%		Group 1 Rating	
	100		0.25	0.5	0.75	0.85	0.65	0.55	0.7				0.7
	200		0.31	0.63	0.77	0.67	0.66	0.52	0.7				0.7
	400		0.5	0.75	0.65	0.7	0.7	0.6	0.7				0.7
30mm Glass Wool	65		0.2	0.45	0.7	0.75	0.8	0.6	0.7				
	100		0.3	0.8	0.85	0.85	0.75	0.65	0.8				0.8
	200		0.37	0.69	0.76	0.75	0.79	0.69	0.8				0.75
	400		0.5	0.7	0.7	0.85	0.8	0.75	0.8				0.75
15/30R													
No insulation	65		0.1	0.25	0.6	0.85	0.65	0.6	0.55	19.6%		Group 1 Rating	
	100												
	200		0.3	0.65	0.79	0.69	0.63	0.63	0.75				0.7
	400												
30mm Glass Wool	65		0.2	0.5	0.75	0.8	0.7	0.7	0.75				
	100												
	200		0.37	0.7	0.8	0.77	0.82	0.76	0.8				0.75
	400												
8/12/50R													
No insulation	65		0.1	0.25	0.6	0.7	0.65	0.45	0.55	13.1%		Group 1 Rating	
	100		0.2	0.5	0.7	0.75	0.55	0.5	0.6				0.65
	200		0.32	0.57	0.67	0.6	0.56	0.51	0.65				0.6
	400		0.45	0.6	0.6	0.6	0.5	0.45	0.55				0.55
30mm Glass Wool	65		0.25	0.45	0.7	0.7	0.7	0.55	0.7				
	100		0.3	0.65	0.75	0.75	0.65	0.55	0.7				0.7
	200		0.38	0.58	0.68	0.68	0.68	0.62	0.7				0.65
	400		0.4	0.55	0.6	0.65	0.55	0.5	0.6				0.55



Pattern	Ceiling Cavity (mm)	Hz α	Frequency						aw	NRC	Open Area %	BCA Group Rating	
			125	250	500	1000	2000	4000					
12/20/66R													
No insulation	65		0.05	0.25	0.55	0.85	0.65	0.55	0.55	19.6%		Group 1 Rating	
	100		0.2	0.5	0.75	0.85	0.55	0.6	0.65				0.65
	200		0.3	0.63	0.81	0.7	0.59	0.6	0.7				0.7
	400		0.5	0.75	0.7	0.75	0.6	0.6	0.7				0.65
30mm Glass Wool	65		0.2	0.5	0.7	0.8	0.7	0.7	0.7				
	100		0.3	0.7	0.85	0.85	0.75	0.7	0.8				0.8
	200		0.37	0.71	0.81	0.8	0.73	0.74	0.8				0.75
	400		0.5	0.7	0.7	0.85	0.8	0.75	0.8				0.75

Pattern	Ceiling Cavity (mm)	Hz α	Frequency						aw	NRC	Open Area %	BCA Group Rating	
			125	250	500	1000	2000	4000					
8/18Q													
No insulation	65		0.05	0.25	0.6	0.85	0.75	0.6	0.55	19.8%		Group 1 Rating	
	100		0.15	0.45	0.8	0.85	0.65	0.65	0.7				0.7
	200		0.29	0.65	0.83	0.69	0.69	0.7	0.75				0.7
	400		0.5	0.75	0.7	0.75	0.7	0.65	0.75				0.7
30mm Glass Wool	65		0.2	0.5	0.8	0.8	0.75	0.75	0.75				
	100		0.3	0.7	0.9	0.9	0.8	0.75	0.85				0.85
	200		0.37	0.73	0.83	0.8	0.84	0.84	0.85				0.8
	400		0.5	0.75	0.75	0.9	0.85	0.8	0.85				0.8

Pattern	Ceiling Cavity (mm)	Hz α	Frequency						aw	NRC	Open Area %	BCA Group Rating	
			125	250	500	1000	2000	4000					
12/25Q													
No insulation	65		0.05	0.25	0.55	0.75	0.75	0.55	0.55	23.0%		Group 1 Rating	
	100		0.15	0.45	0.75	0.9	0.7	0.6	0.7				0.7
	200		0.29	0.68	0.82	0.7	0.72	0.66	0.75				0.75
	400		0.5	0.75	0.7	0.75	0.75	0.65	0.75				0.7
30mm Glass Wool	65		0.2	0.5	0.8	0.9	0.8	0.7	0.8				
	100		0.3	0.7	0.9	0.9	0.85	0.75	0.9				0.85
	200		0.37	0.72	0.85	0.82	0.92	0.85	0.9				0.85
	400		0.5	0.75	0.75	0.9	0.9	0.8	0.85				0.8

Pattern	Ceiling Cavity (mm)	Hz α	Frequency						aw	NRC	Open Area %	BCA Group Rating	
			125	250	500	1000	2000	4000					
8/15/20R													
No insulation	65		0.1	0.25	0.5	0.6	0.45	0.4	0.5	9.5%		Group 1 Rating	
	100		0.2	0.5	0.65	0.65	0.45	0.4	0.5				0.55
	200		0.32	0.48	0.58	0.54	0.44	0.43	0.55				0.5
	400		0.5	0.65	0.65	0.65	0.6	0.55	0.65				0.65
30mm Glass Wool	65		0.3	0.4	0.55	0.55	0.5	0.4	0.55				
	100		0.35	0.6	0.65	0.6	0.45	0.4	0.5				0.6
	200		0.37	0.49	0.57	0.57	0.52	0.51	0.6				0.55
	400		0.45	0.65	0.65	0.75	0.7	0.6	0.7				0.65

Pattern	Ceiling Cavity (mm)	Hz α	Frequency						aw	NRC	Open Area %	BCA Group Rating	
			125	250	500	1000	2000	4000					
12/20/35R													
No insulation	65		0.1	0.25	0.55	0.6	0.45	0.4	0.5	11.0%		Group 1 Rating	
	100		0.2	0.5	0.7	0.65	0.4	0.35	0.45				0.55
	200		0.31	0.53	0.66	0.52	0.42	0.41	0.55				0.55
	400		0.45	0.65	0.6	0.6	0.45	0.4	0.5				0.55
30mm Glass Wool	65		0.3	0.45	0.65	0.6	0.5	0.4	0.55				
	100		0.3	0.6	0.7	0.65	0.5	0.4	0.55				0.6
	200		0.37	0.54	0.63	0.6	0.53	0.5	0.6				0.55
	400		0.45	0.6	0.6	0.65	0.55	0.5	0.6				0.6

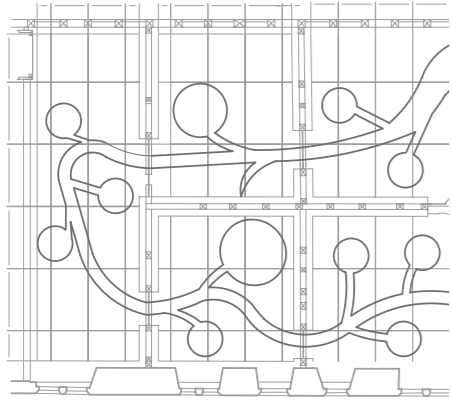
Insulation used: Glass Wool Acoustic Blanket 30mm. Approx density 18kg/m³
All panels are supplied with acoustic backing.



Custom Designs

Unique custom patterns with VoglFuge can be manufactured to your exact design requirements, whilst still being acoustically effective.

Our team will work with you to develop a design and will provide you with a layout plan to ensure seamless installation.



VoglJoint panels according to layout plan



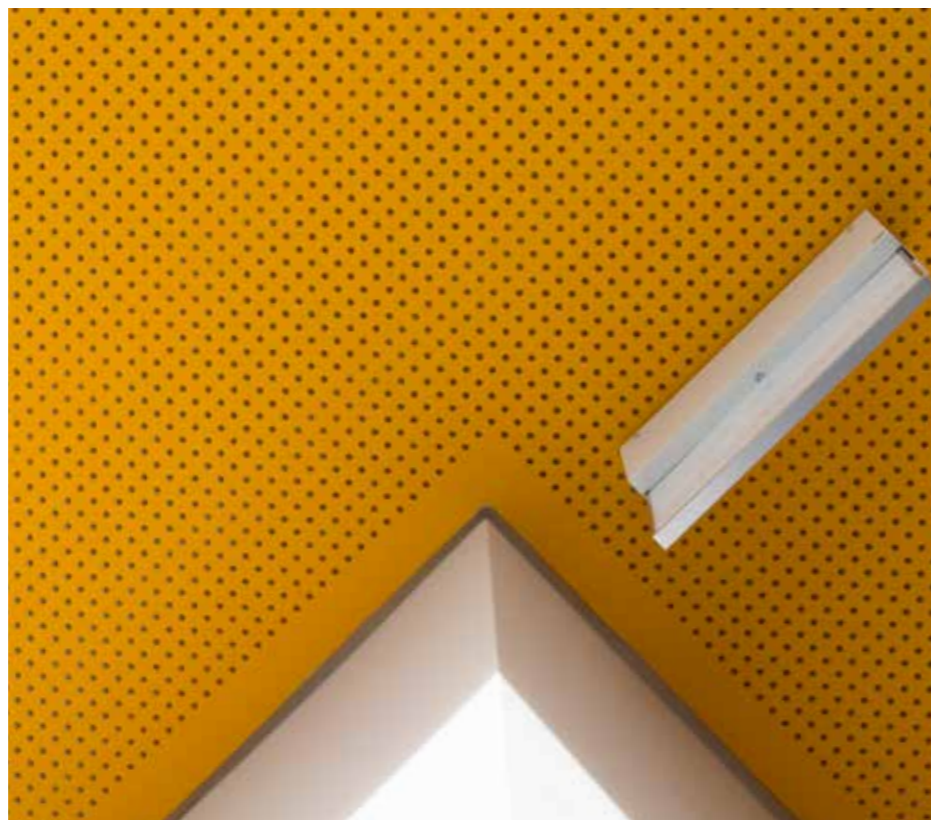
Access Panels

Integrated access panel hatches are available to match the selected perforation patterns.



Painted Finish

When ready for painting, we suggest the use of a good quality matte paint which is light in colour. White is ideal, but colours can still be used.



Solid Borders & Sections

If solid borders or sections are required, Vogl Frieze Tape (which is acoustically transparent) can be used to cover the perforations so you can achieve your required look.

Other patterns including block slots and perforations are also available on request.

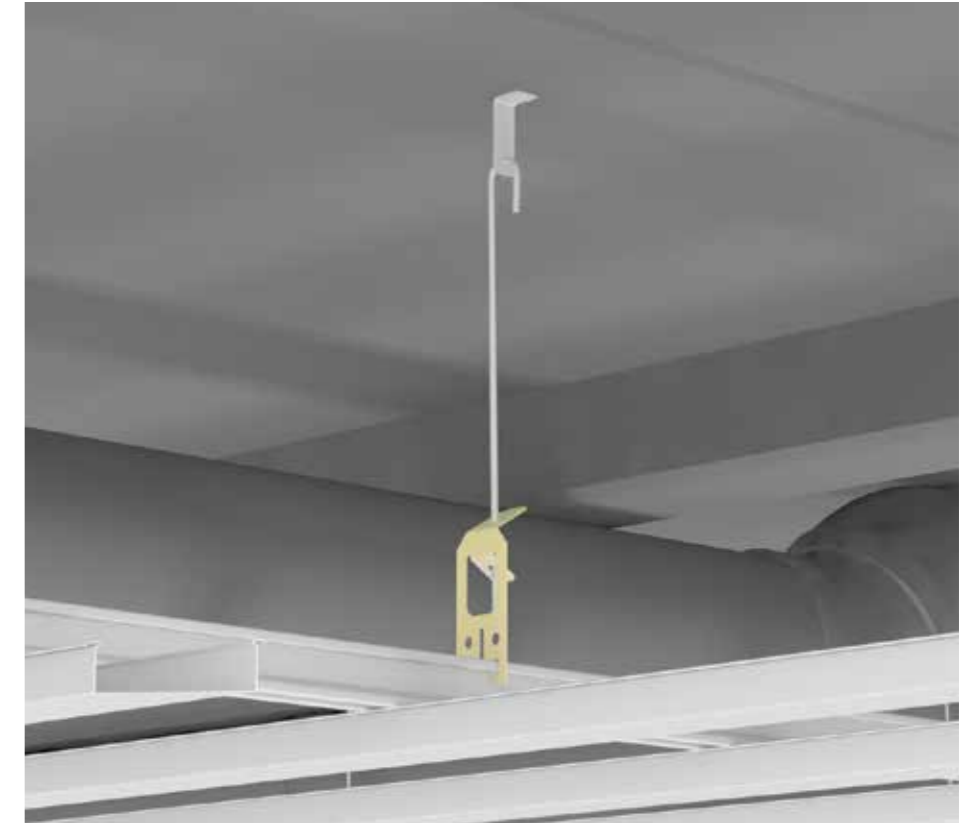




North Fitzroy Library

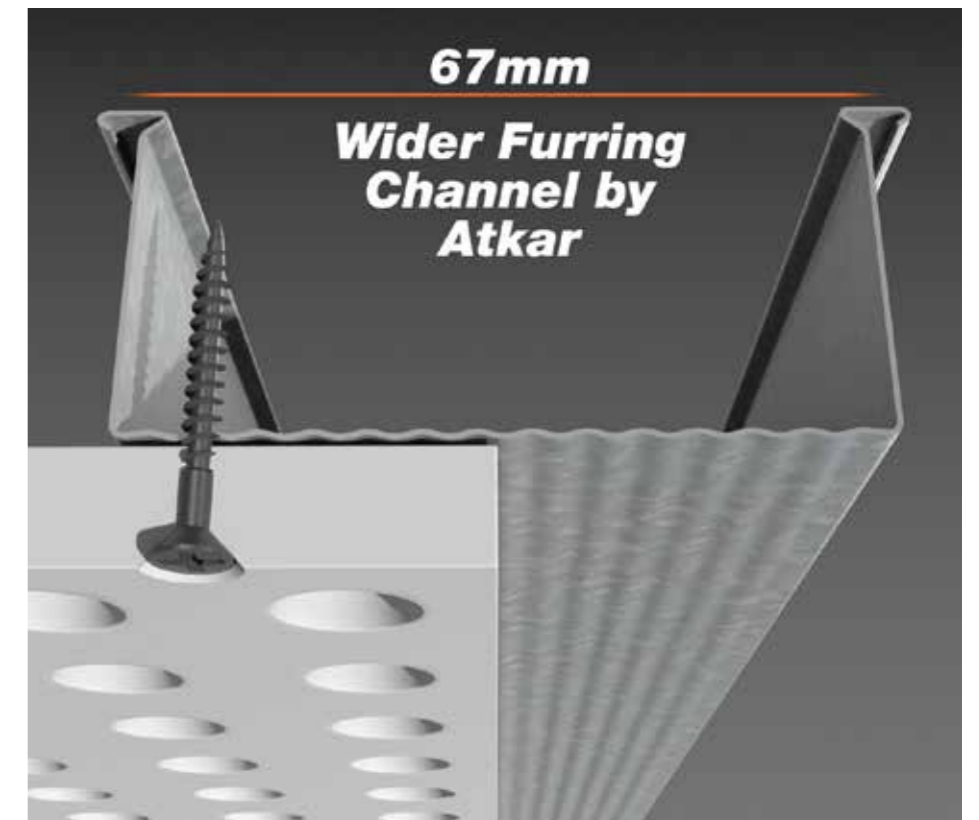
Concealed Ceiling System

VoglFuge is installed to a concealed suspension ceiling grid system. Atkar Group can supply all the ceiling system components required for your VoglFuge installation.



Wider Furring Channel

To ensure maximum crack resistance, Atkar Group recommends using our wider 67mm furring channel, which eliminates the need for double furring channels at the joints and reduces framing time.



Installation Guide

Providing significant time savings on site, with VoglFuge there is no need to use caulking or compound joint filling, which means less drying time and no excessive sanding.

Installation is easy due to its unique joint tape glue system, and by using our wider 67mm furring channel at the joints, VoglFuge can deliver maximum crack resistance.

For any advice or support on your VoglFuge installation please contact Atkar Group on **03 9796 3333** or visit atkar.com.au/vogl to view our 3D Installation Video.

The use of our VoglFuge install kit is required for sheet jointing and includes all the accessories you need for installation.

VoglFuge Install Kit includes: Vogl liquid glue, strip dispenser & 8mm strip tape, sponge, mixing stick, roller grid, lambskin roller, sanding pad, sanding paper, Vogl screw head and repair filler, Japan spatula, Vogl perforated panel screws including bit.



FRAMING & PANEL LAYOUT

VoglFuge is installed to a concealed suspension ceiling grid. Ensure that the ceiling framework is even and level.



Accurately measure centre distances. Refer to the table for centre distances required.

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	333mm
Straight round perforation 15/30 Offset round perforation 12/20/66	333mm

As viewed from entrance area, choose panel arrangement with short edges parallel to windows.

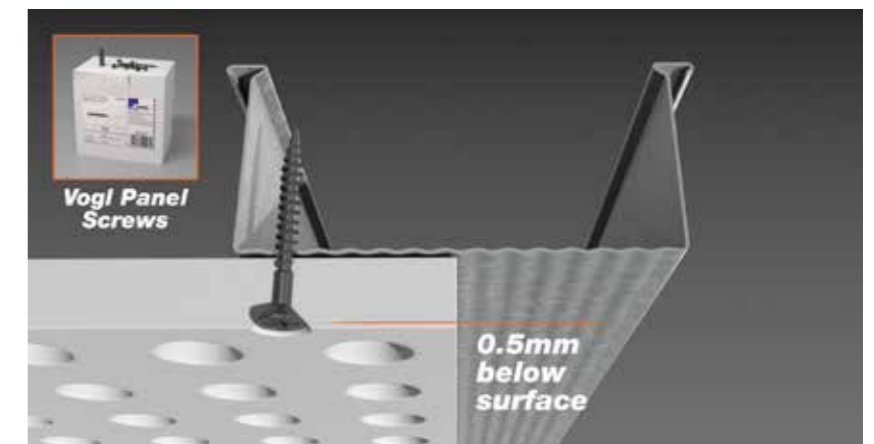


For best panel arrangement, locate the centre of the room, then lift the first panel into position.



Insert the supplied screws at right angles, direct in to the furring channel, and counter sink to 0.5mm below the panel surface.

Take care not to overdrive the screw any further than 0.5mm.



The use of our wider 67mm furring channel throughout the ceiling is highly recommended, as it eliminates the need for double furring channels at the joints.

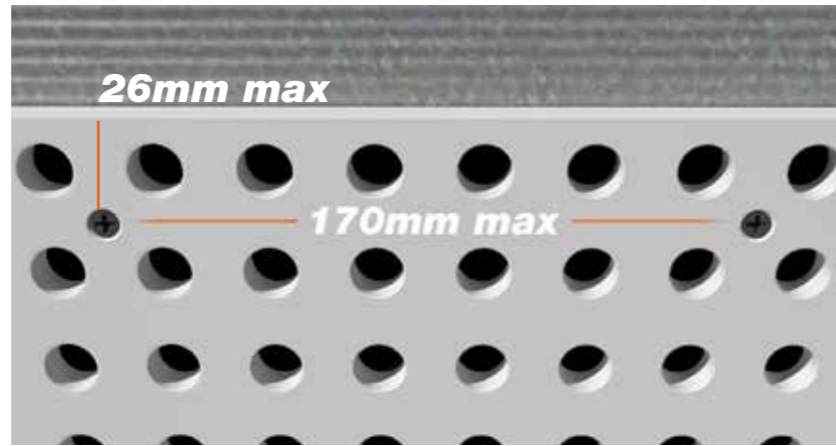
This not only reduces framing time but also ensures maximum crack resistance.



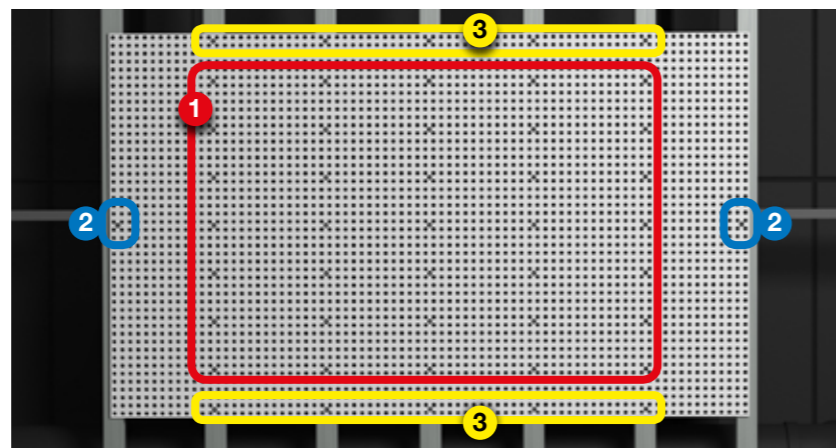
Installation Guide

Screws should be spaced no more than 170mm from each fixing point and the distance between screw and panel edge is not to exceed 26mm.

Avoid damaging acoustic design panels by countersunk heads.



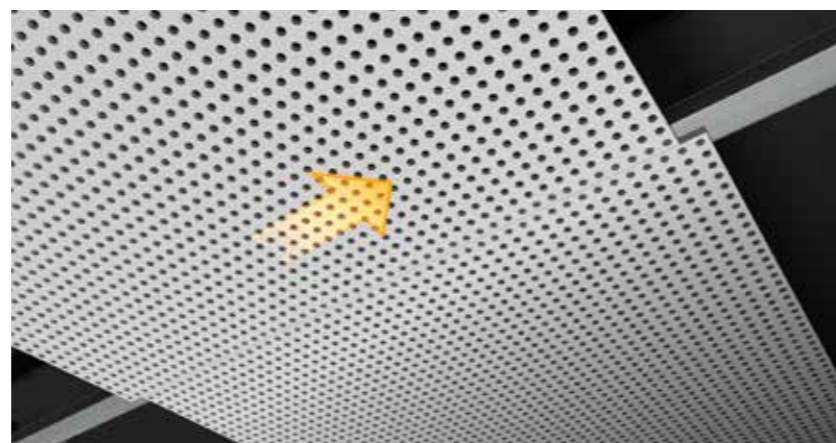
To secure the panel, first screw into the centre section of the panel (1), followed by the centre of each short edge (2) before finally screwing down the long edges (3) as per the diagram.



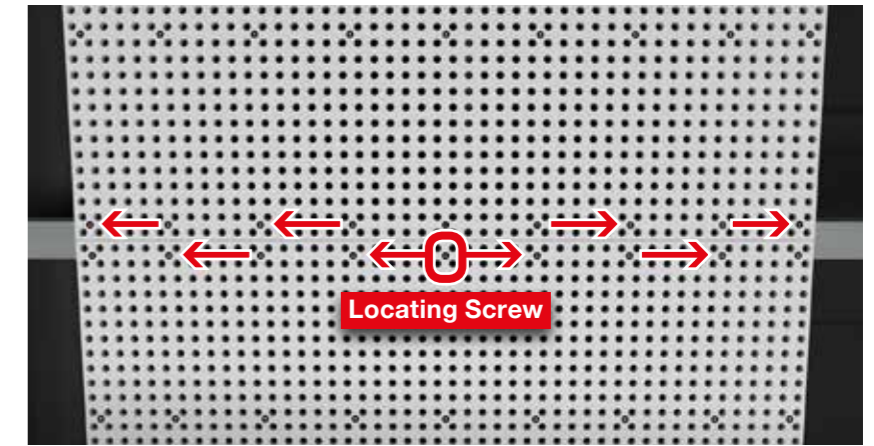
Panels come with printing on one edge and it is important that they are all installed with the printing facing the same direction.



Position the next panel beside the first, by sliding it along and fixing it in place.



Fix the screws in the panel joint in alternating patterns (zig-zag method) on the left and right side of the locating screw. This will create a tight and flush joint and ensure it is evenly aligned.



Install ceiling panels first lengthways, then crossways, resulting in cross arrangement on ceiling. Cover remaining areas in same manner, working from centre of room outwards.

Lay remaining ceiling panels edge-to-edge, always checking that joints are level and using "cross joint" system only.

Do not stagger the joints.



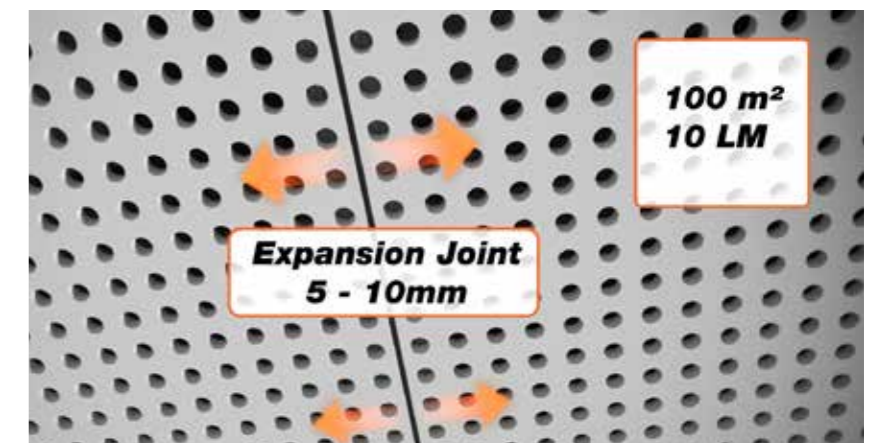
After all panels have been installed, re-check that all joints are level and adjust, if necessary, using a screwdriver. Then check with a straightedge.

Insulation can be laid directly on the VogelFuge panels in the void if required.



Provide an expansion joint of 5 - 10mm every 100m² or 10 lineal meters.

Back blocking can be used to cover the back of the expansion joint, but must be secured to one panel side only.



Installation Guide

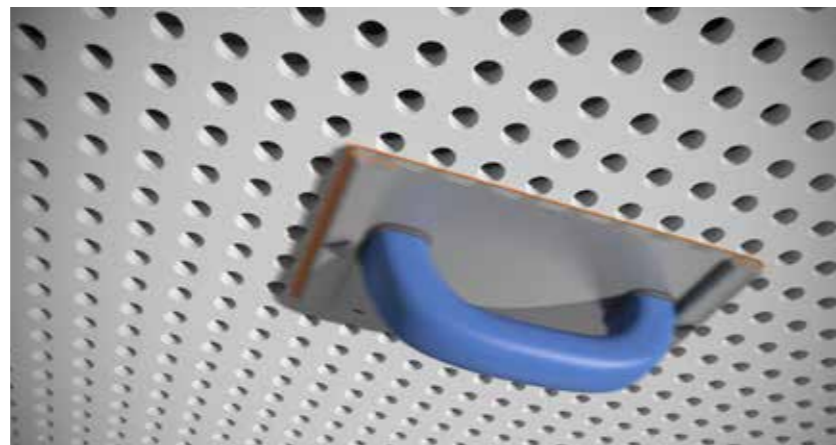
Use the Screw Head and Repair Filler that is included in the installation kit, to fill the screw heads and patch any chips if necessary.



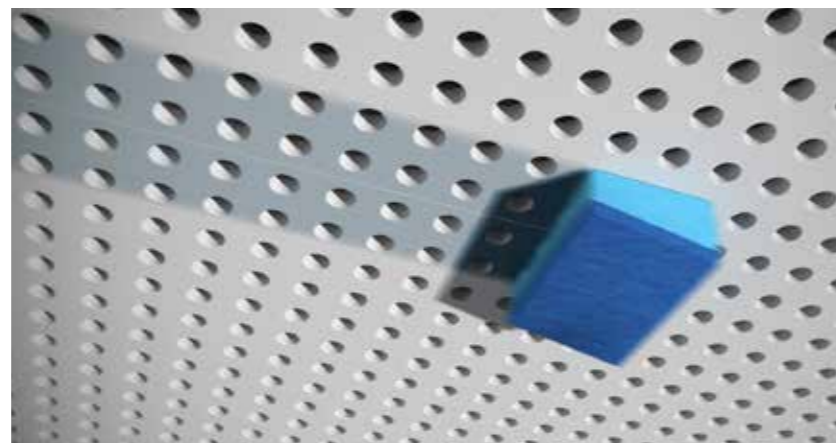
JOINTING

Once the Screw Head and Repair Filler is dry, use the supplied coarse sanding pad to remove any protruding filler.

It is important to only sand in the same direction of the joint. Do not cross sand or sand back and forth.



Slightly dampen joint area using a sponge, but avoid excessive wetting of Vogl panels.



Using the supplied lambskin roller and Liquid Glue, apply an even coating over the joint, ensuring there is a fine texture of the glue visible.

Vogl Liquid Joint Glue is already premixed.



Whilst the glue is still wet, apply the supplied 8mm joint tape over the panel joint, ensuring the shiny, rubber side of the tape is facing the ceiling panels.



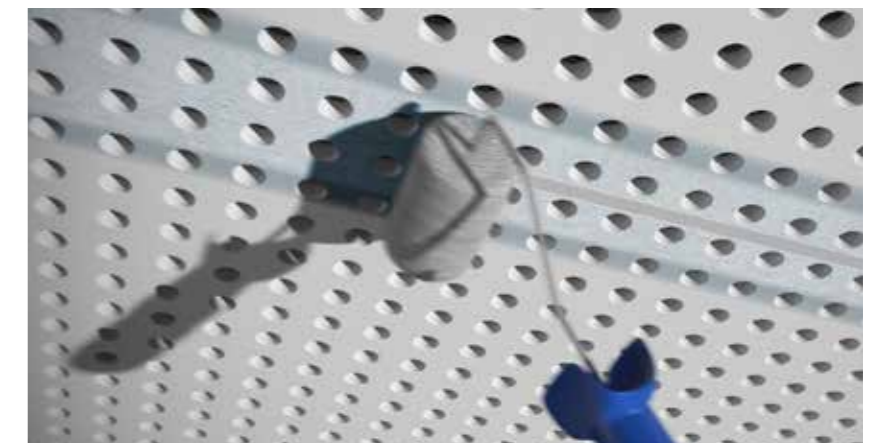
With your thumb, press on the tape until you can see the glue come out from both sides, then slide your thumb along the tape to ensure it is evenly adhered to the glue and the joint is covered.

It is important that the jointing tape is applied end to end and does not overlap.



Apply another generous layer of Liquid Glue over the tape with the roller, applying slight pressure as you roll.

Ensure you do not get any glue into the acoustic perforations.

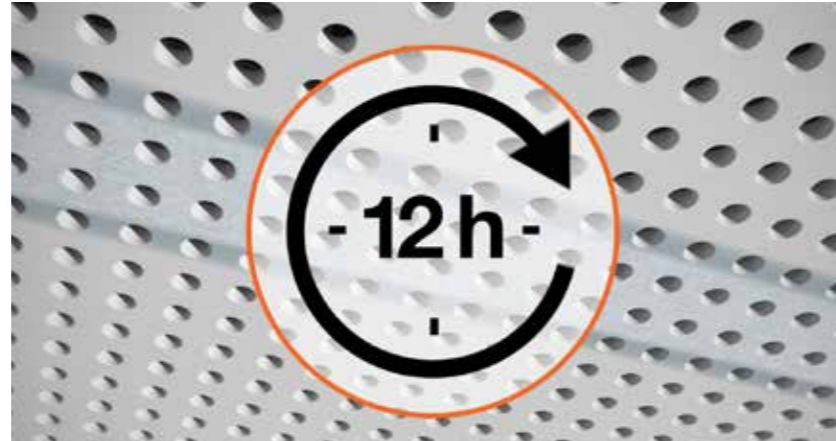


Do not clean or scrape the joint when it is wet as it will damage the tape and joint system.



Installation Guide

Continue this procedure for all panel joints then allow to dry naturally for 12 hours.



Once fully dried, gently sand the area in the direction of the joint using the supplied fine sand paper, taking care not to over sand or cross sand.



FINISHING

If solid borders or sections are required, use Vogl Frieze Tape to cover the perforations to achieve your required look.

Frieze border tape is to be applied using a similar process as the joint tape. For full details refer to Vogl Frieze Tape data sheet on our website.



Integrated Access panel hatches are also available to match the perforation pattern you have installed on your ceiling.



When ready for painting, use a sealer undercoat and 2 top coats using a short nap roller only. Spray applications are not recommended.

We also suggest the use of a good quality matte paint which is light in colour.



Manufacturers Instructions / General Site Conditions.

Correct handling of ceiling panels:

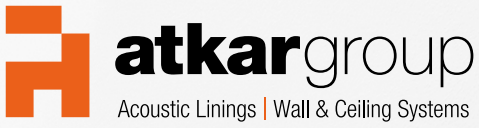
- > Do not store ceiling panels upright, but always flat on panel pallets
- > Always carry ceiling panels with short edges upright
- > Protect ceiling panels from dampness. Relative humidity should be 40-80%
- > Avoid major temperature fluctuations
- > Do not expose stored ceiling panels to direct sunlight

INSTALLATION VIDEO & SUPPORT

For any advice or support on your VoglFuge installation please contact Atkar Group on 03 9796 3333 or visit atkar.com.au/vogl to view our 3D Installation Video



atkar.com.au/vogl



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Details are correct at time of printing.
For more information, installation and
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