

**PRODUCT DATASHEET**

# STRATOPANEL®

Perforated Acoustic Plasterboard with CLEANEO® Air Purifying Technology



## Description

- **STRATOPANEL®** is a unique acoustic ceiling lining with built-in **CLEANEO®** Air Purifying technology that reduces both odours and airborne pollutants to improve the overall air quality. With high acoustic performance and six edge-to-edge perforation patterns, STRATOPANEL is an easy-to-install ceiling solution that provides design flexibility and assists in delivering cleaner and comfortable spaces for your project.
- Stratopanel is a complete system, designed, built and tested with approved components and accessories. To ensure your Stratopanel Ceiling System performance, Knauf recommends specifying and purchasing the components and associated items. Substitution of products and/or components may affect the system's performance.

## Physical Properties

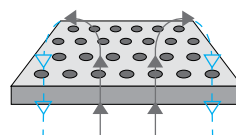
Feature	Description
Thickness	12.5mm
Sheet Sizes	Refer to Performance Details section
Mass	7.4kg/m <sup>2</sup> - 8.6kg/m <sup>2</sup> nominal
Edge Profile	Tough Pre-Primed UFF Surrounding Notch joint on all 4 edges
Fire Hazard Properties	Group 1 – in accordance with NCC Specification C1.10 Fire Hazard Properties – Floors, Walls and Ceilings
VOC	Less than 0.500mg/m <sup>2</sup> /hr TVOC

## Advantages

- **VISUALLY STRIKING** plasterboard achieving either monolithic, seamless or express joint aesthetics
- **TESTED** Acoustic performance up to **NRC 0.90**
- **AIR PURIFYING CLEANEO®** Technology reduces the impact of in-air pollutants
- **CHOICE of 6 PERFORATION PATTERNS** available allowing for architectural design flexibility & expression
- **PRE-PRIMED TOUGH UFF EDGE** Type allowing increased speed of installation and reduced risk of damage to edges and joints
- **RE-PAINTABLE** without the loss of acoustic performance
- **NO TAPING** of joints required via our gypsum based synthetically enhanced UNIFLOTT Joint Compound meaning fast installation with strong joints.



Acoustic Performance



CLEANEO® Technology



Tough Pre-Primed UFF Surrounding Notch Joint Edge

## Application

Stratopanel Ceiling Systems provides high-quality noise absorption solutions for your ceiling spaces. With six pattern options, tailor and customise the Stratopanel Ceiling Systems to your acoustic and design requirements. Knauf's Stratopanel suits various commercial projects and applications, including educational institutions, hospitals, retail spaces, offices, conference halls, and hospitality venues. For further assistance with your project, please get in touch with our TecAssist team.

## Further Details

### Acoustic Performance

The Stratopanel ceiling system reduces noise reverberation in the internal space. The choice of Stratopanel perforation patterns can fine-tune the acoustic performance of the space by adjusting the depth of the ceiling cavity and specified Knauf Insulation. Stratopanel perforated plasterboard offers acoustic performances of up to **NRC 0.90**.

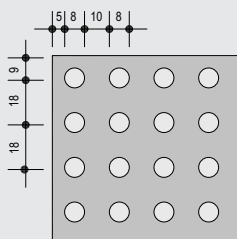
### Air Purifying CLEANEO® Technology

Engineered with Knauf's CLEANEO Technology, Stratopanel purifies air through its perforations, removing unpleasant pollutants and leaving the air cleaner. Utilising gypsum and charcoal results in a patented manufacturing process to create the CLEANEO technology. Independent air-pollutant tests have been undertaken in accordance with VDI (Association of German Engineers) guidelines over a testing period of 28 days.

## Performance Details

### Circular 8/18 R

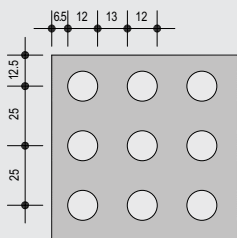
Material Code: 40007178



Acoustic Data							Physical Properties	
Overall Cavity Depth (mm)	Insulation	$\alpha_w$	Class	SAA	NRC	CSIRO Acoustic Test Report No.	Thickness (mm)	12.5
							Length (mm)	1998
							Width (mm)	1188
200	Nil	0.70	C	0.70	0.70	AC356-01-2	Weight (kg/m <sup>2</sup> )	8.2
	KI 50G11	0.75(L)	C	0.78	0.80	AC356-02-2		
400	Nil	0.70(L)	C	0.72	0.70	AC356-04-2	Open Area (%)	15.5
	KI 50G11	0.80	B	0.78	0.80	AC356-03-2		

### Circular 12/25 R

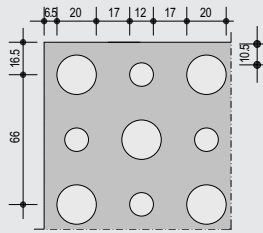
Material Code: 40007182



Acoustic Data							Physical Properties	
Overall Cavity Depth (mm)	Insulation	$\alpha_w$	Class	SAA	NRC	CSIRO Acoustic Test Report No.	Thickness (mm)	12.5
							Length (mm)	2000
							Width (mm)	1200
200	Nil	0.70(L)	C	0.73	0.75	AC359-09-1	Weight (kg/m <sup>2</sup> )	7.9
	KI 50G11	0.80	B	0.81	0.80	AC359-16-1		
400	Nil	0.70(L)	C	0.73	0.70	AC359-08-1	Open Area (%)	18.1
	KI 50G11	0.80	B	0.81	0.80	AC359-01-1		

### Alternating Circular 12/20/66 R

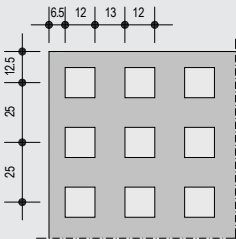
Material Code: 40007183



Acoustic Data							Physical Properties	
Overall Cavity Depth (mm)	Insulation	$\alpha_w$	Class	SAA	NRC	CSIRO Acoustic Test Report No.	Thickness (mm)	12.5
							Length (mm)	1990
							Width (mm)	1188
200	Nil	0.65(LM)	C	0.73	0.75	AC359-12-1	Weight (kg/m <sup>2</sup> )	7.7
	KI 50G11	0.75(L)	C	0.83	0.85	AC359-13-1		
400	Nil	0.75(L)	C	0.72	0.70	AC359-05-1	Open Area (%)	19.6
	KI 50G11	0.80(L)	B	0.82	0.80	AC359-04-1		

### Square 12/25 Q

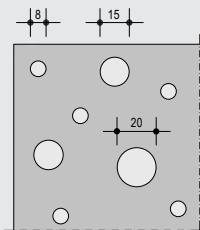
Material Code: 40007179



Acoustic Data							Physical Properties	
Overall Cavity Depth (mm)	Insulation	$\alpha_w$	Class	SAA	NRC	CSIRO Acoustic Test Report No.	Thickness (mm)	12.5
							Length (mm)	2000
							Width (mm)	1200
200	Nil	0.70(L)	C	0.77	0.75	AC359-11-1	Weight (kg/m <sup>2</sup> )	7.4
	KI 50G11	0.90(L)	A	0.92	0.90	AC359-14-1		
400	Nil	0.75(L)	C	0.75	0.75	AC359-06-1	Open Area (%)	23.0
	KI 50G11	0.90	A	0.90	0.90	AC359-03-1		

### Random Plus 8/15/20 R

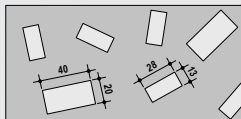
Material Code: 40007180



Acoustic Data							Physical Properties	
Overall Cavity Depth (mm)	Insulation	$\alpha_w$	Class	SAA	NRC	CSIRO Acoustic Test Report No.	Thickness (mm)	12.5
							Length (mm)	2000
							Width (mm)	1200
200	Nil	0.50(L)	D	0.57	0.60	AC359-10-1	Weight (kg/m <sup>2</sup> )	8.6
	KI 50G11	0.55(L)	D	0.60	0.60	AC359-15-1		
400	Nil	0.55(L)	D	0.57	0.55	AC359-07-1	Open Area (%)	9.9
	KI 50G11	0.55(L)	D	0.60	0.60	AC359-02-1		

### Random Rectangular RE

Material Code: 40007181



Acoustic Data							Physical Properties	
Overall Cavity Depth (mm)	Insulation	$\alpha_w$	Class	SAA	NRC	CSIRO Acoustic Test Report No.	Thickness (mm)	12.5
							Length (mm)	1999
							Width (mm)	1199
200	Nil	0.50(LM)	D	0.64	0.65	AC359-10-1	Weight (kg/m <sup>2</sup> )	8.4
	KI 50G11	0.60(L)	C	0.70	0.70	AC359-15-1		
400	Nil	0.55(L)	D	0.65	0.60	AC359-07-1	Open Area (%)	13.6
	KI 50G11	0.65(L)	C	0.70	0.70	AC359-02-1		

**Notes:** All acoustic performance detailed is based on actual test values as captured via corresponding CSIRO acoustic test reports.

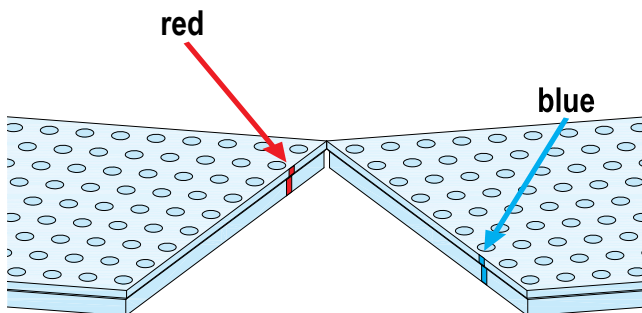
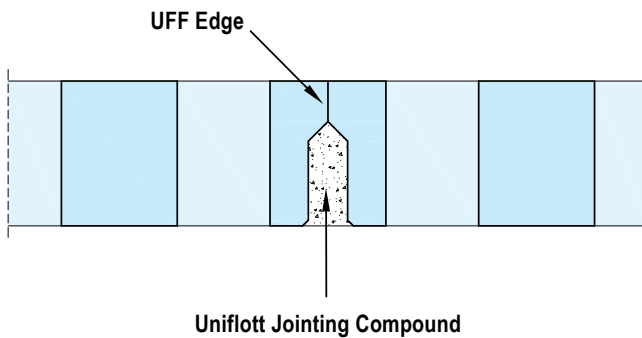
KI 50G11 refers to Knauf Insulation, 50mm, glasswool, 11kg/m<sup>3</sup> density.  
Perforation dimensions shown in mm.

### Edge Profile

#### UFF Tough Edge

Knauf's Stratopanel range includes the unique UFF edge profile which is a surrounding notch joint on all four sides of the sheet. UFF edges are all pre-primed to expedite installation and are further strengthened to reduce cracking and on site handling damage that may occur. Additionally, the UFF edges are marked red and blue and act as a simple visual check guide to follow during installation to ensure perfectly aligned continuous perforation patterns

The UFF tough edge profile and Uniflott jointing compound when professionally installed forms a robust tapeless joint that appears entirely seamless.



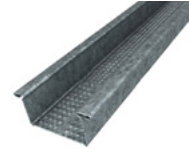
## Associated Items



**Uniflott Jointing Compound**



**Access Panels**



**Rondo Concealed Ceiling System components (inc. 605 furring channel)**



**Cleaneo Screw Caps**  
(limited seismic applications)



**Knauf Finishing & Jointing Compound**



**Jet Spatula & Jet Trowel**

## Installation

Stratopanel must be installed to steel furring channels, typically via a Rondo KEY-LOCK suspended ceiling system using a screw fix only fastening system (no adhesives). Rondo's 605 wide faced (64mm faced) furring channel/batten is to be centrally installed behind and in the same direction at Stratopanel short edges only. For UFF edges and screw heads, Uniflott jointing compound must be used in conjunction with a suitable Knauf finishing compound. For an express joint look, leave UFF edges unfilled. Perforations may be further filled with Knauf Jointing compound to create borders, patterns or seamless looks as required. All cut edges must be sealed with a PVA based primer. Refer to the Stratopanel installation brochure and online CAD Finder for full installation details.



## Safe Use Instruction

Refer to Safety Data Sheet. Stratopanel is not classified as hazardous according to the criteria of the NOHSC.

## Sustainability

Knauf products are manufactured from a combination of natural gypsum and liner paper. Lightweight plasterboard construction offers the benefits of low embodied energy, non-toxic materials and enhance indoor air quality through Stratopanel's engineered Cleaneo air purifying technology within the gypsum core.

When installed using express joint, unfilled UFF edge profile and Cleaneo Cap screw system, the panels are demountable and can be repurposed avoiding landfill.

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## Indoor Environment Quality

Knauf plasterboard products have been independently tested to confirm compliance with Green Star specification limits for VOCs and formaldehyde, refer to report CETEC V2111.

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## References

Refer to [www.knaufapac.com/au/stratopanel](http://www.knaufapac.com/au/stratopanel) for Material Safety Data Sheet, Volatile Organic Compound Emission details and other additional information.

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