



## RIGITONE GALAXY PERFORATED PLASTERBOARD (8-15-20 SUPER)

- Rigitone Galaxy perforated plasterboard provides exceptional acoustic control and delivers a seamless intricate pattern with a unique installation method and enhanced indoor air quality due to its Activ'Air technology.
- High levels of acoustic absorption are achieved through a combination of perforation patterns and a highly effective black acoustic fabric backing which also prevents dust from the ceiling entering the room and masks the ceiling framework.
- The availability of seamless access panels, ensures easy access to the ceiling cavity while maintaining pattern continuity.
- Rigitone Galaxy features an irregular scattered pattern consisting of 8mm, 15mm and 20mm round perforations, providing a 10% open area.



### RECOMMENDED USE

- Non-fire rated ceiling and wall applications.
- Commercial construction.
- Use where a high level of acoustic performance is required such as theatres, restaurants, shopping centres and hotel foyers.

### SPECIFICATIONS

Feature	Description
Thickness	12.5mm
Mass	10.0kg/m <sup>2</sup>
Perforated Pattern	Galaxy
Open Area	10%
Acoustic Fabric	White
Widths	1200mm
Lengths	1960mm
Edge Profiles	Rigitone Edge
Fire Hazard Properties <sup>Δ</sup>	Group No = 1 SMOGRARC ≤100m <sup>2</sup> /s <sup>2</sup>
Combustibility*	Plasterboard may be used wherever a non-combustible material is required



#### Acoustics

Absorbs sound into ceiling to prevent reverberation.



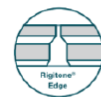
#### Aesthetics

Acoustic performance with design freedom



#### Activ'Air Technology

Uses Activ'Air technology for cleaner air



#### Rigitone Edge

Rigitone Edge profile



#### International Alliance

Delivered through the International Alliance Program



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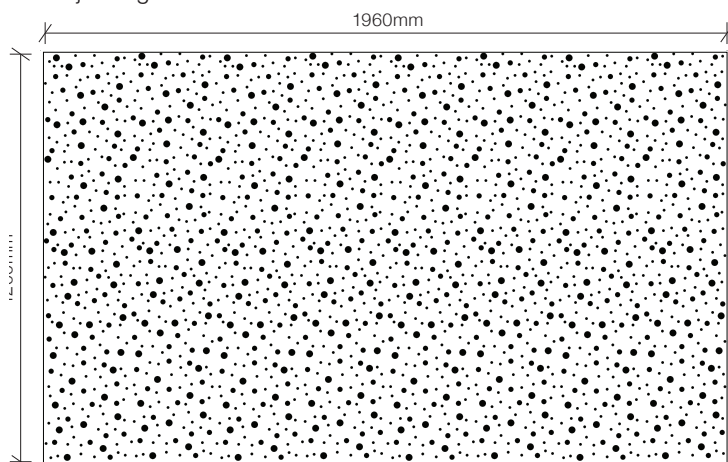


<sup>Δ</sup> In accordance with AS ISO 9705 and AS 5637.1

\* In accordance with NCC2022 Vol 1 Clause C2D10(6)(a) and NCC2019 Amdt1 Vol Clause C1.9(e)(f).

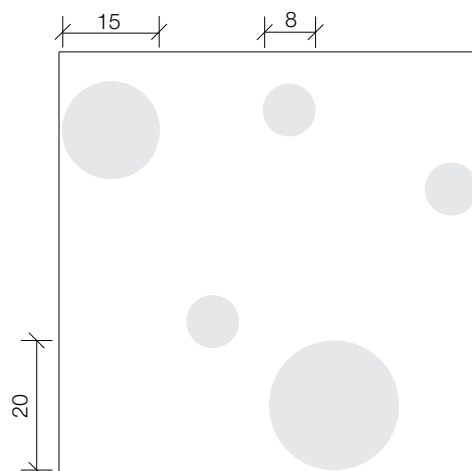
## RIGITONE INSTALLATION

- Specially designed to be screw fixed to suspended ceilings. Its unique installation method allows the product's perforated pattern to continue uninterrupted where sheets meet.
- Pattern spacers are available to ensure boards with a square edge are fixed with the exact gap required for jointing.
- Boards with a chamfered edge are designed to be butted directly next to each other and don't require a pattern spacer.
- Unlike the traditional three coat plasterboard jointing systems, Rigitone boards are jointed by directing a specialised compound into a gap between the sheets. The filling method is made possible by the unique Rigitone Filler Accessory Kit, combined with Rigitone Filler compound.
- While all four edges of the standard range of Rigitone boards are pre-primed, Rigitone primer is used to prepare cut edges for jointing.



## PAINTING

- After the joints are completed, the surface of the plasterboard is painted in accordance with the paint manufacturer's specifications using a paint roller, taking care to paint the surface only, and not the voids.
- Long nap and heavily loaded paint rollers should be avoided for this reason. Spray painting is NOT permitted as paint will impair the acoustic tissue degrading the acoustic properties.
- Water-based paints are required for boards that contain Activ'Air technology. Repainting will not impact the performance of Activ'Air.
- Full installation and finishing details can be found in the Perforated Plasterboard Installation Guide available from [www.potters.co.nz](http://www.potters.co.nz).



## NRC VALUE SUMMARY

Galaxy 10% open area				Sound Absorption Coefficient					
Plenum (Air Cavity)	Plenum Insulation	$\alpha_w$	NRC	Octave Band Centre Frequencies (Hz)					
				125	250	500	1000	2000	4000
65mm	Empty	0.50	0.55	0.20	0.35	0.70	0.75	0.45	0.35
	50mm glasswool (14kg/m <sup>3</sup> )	0.50(L)	0.60	0.35	0.55	0.70	0.75	0.45	0.35
200mm	Empty	<b>0.45(L)</b>	<b>0.55</b>	<b>0.55</b>	<b>0.60</b>	<b>0.65</b>	<b>0.55</b>	<b>0.40</b>	<b>0.30</b>
	50mm glasswool (14kg/m <sup>3</sup> )	<b>0.55(L)</b>	<b>0.60</b>	<b>0.60</b>	<b>0.65</b>	<b>0.60</b>	<b>0.60</b>	<b>0.45</b>	<b>0.45</b>
600mm	Empty	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>0.60</b>	<b>0.50</b>	<b>0.50</b>
	50mm glasswool (14kg/m <sup>3</sup> )	<b>0.65</b>	<b>0.65</b>	<b>0.60</b>	<b>0.60</b>	<b>0.65</b>	<b>0.70</b>	<b>0.55</b>	<b>0.55</b>

Bold values are test report data conducted at the CSIRO Melbourne laboratories. Non-bold values are acoustic predictions by PKA Acoustic Consulting. (L) denotes excess performance at 250Hz.

## MANUFACTURING TOLERANCES

- **Nominal Thickness** 12.5mm +/- 0.3mm
- **Nominal Widths** 1200mm +/- 3mm
- **Nominal Lengths** 1960mm +/- 3mm
- **Squareness** 90° +/- 1.5mm at 1200mm (short end)
- Rigitone is manufactured for Potter Interior Systems by worldwide plasterboard specialist Saint-Gobain.

## INSTALLING TO STANDARDS

Installing to Standards AS/NZS2589:  
Gypsum linings – Application and Finishing outlines the procedures for jointing and finishing of plasterboard in conjunction with additional details contained in Potter Interior Systems Technical Literature.

## ACCESS PANELS

- Rigitone Access Panels are designed to match the perforation patterns of the individual boards with minimal visible interruption of the pattern.
- Access Panels for Matrix 8mm Round, Matrix 12mm Square and Astral include a perforated panel infill to match the sheet pattern when the cut-out is located between rows of perforations.
- Rigitone Galaxy Access Panels require a cut-out piece to be attached, sourced from the fixed sheet to ensure the pattern continues undisturbed. A minimum plenum depth of 140mm is required to insert the Access Panel from the finished side.