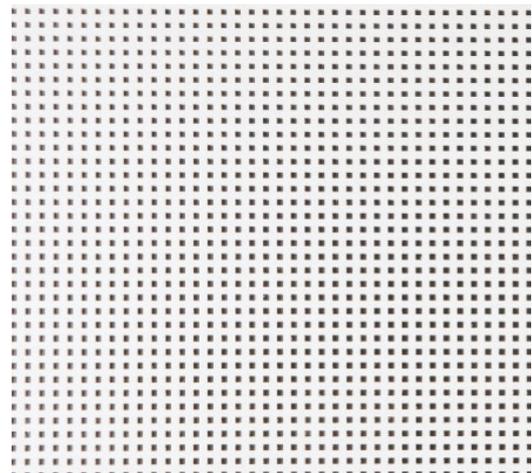


RIGITONE MATRIX 12MM SQUARE PERFORATED PLASTERBOARD (12/25Q)

- Rigitone Matrix 12mm Square perforated plasterboard is a superior acoustic solution that delivers a modern monolithic design with an edge-to-edge perforation layout, 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 Matrix 12mm Square provides a pattern of 12mm square perforations at 25mm centres, providing a 23% 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	8.5kg/m ²
Perforated Pattern	Matrix 12mm Square
Open Area	23%
Acoustic Fabric	White
Widths	1200mm
Lengths	2000mm
Edge Profiles	Rigitone Edge
Fire Hazard Properties ^Δ	Group No = 1 SMOGRARC ≤100m ² /s ²
Combustibility*	Plasterboard may be used wherever a non-combustible material is required



Acoustics

Absorbs sound into ceiling to prevent reverberation.



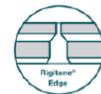
Aesthetics

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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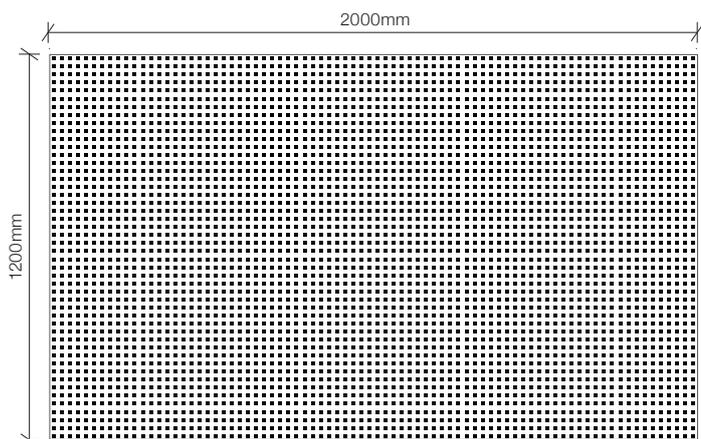


^Δ In accordance with AS ISO 9705 and AS 5637.1

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

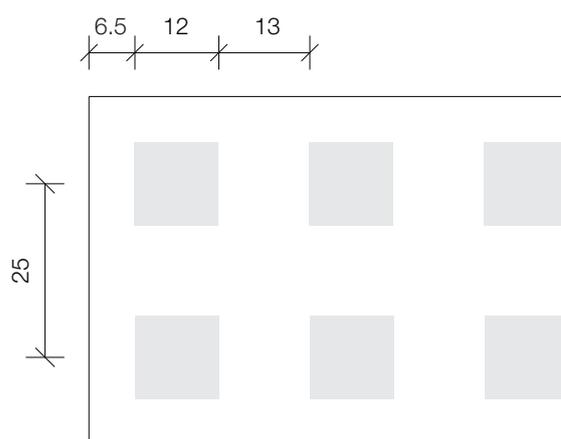
RIGITONE INSTALLATION

- 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 Rigitone 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.



NRC VALUE SUMMARY

Matrix 12mm Square 14.8% open area				Sound Absorption Coefficient					
Plenum (Air Cavity)	Plenum Insulation	α_w	NRC	Octave Band Centre Frequencies (Hz)					
				125	250	500	1000	2000	4000
65mm	Empty	0.60	0.65	0.20	0.35	0.70	0.85	0.65	0.50
	50mm glasswool (14kg/m ³)	0.75	0.75	0.35	0.60	0.85	0.85	0.70	0.60
200mm	Empty	0.65(L)	0.70	0.50	0.80	0.85	0.65	0.60	0.55
	50mm glasswool (14kg/m ³)	0.85(L)	0.90	0.70	0.90	0.90	0.90	0.80	0.75
600mm	Empty	0.65(L)	0.70	0.65	0.70	0.65	0.70	0.65	0.55
	50mm glasswool (14kg/m ³)	0.90	0.85	0.70	0.70	0.85	0.95	0.90	0.95

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 250 Hz.

MANUFACTURING TOLERANCES

- **Nominal Thickness** 12.5mm +/- 0.3mm
- **Nominal Widths** 1200mm +/- 3mm
- **Nominal Lengths** 2000mm +/- 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.