

Product Data Sheet

Rigitone™ Matrix 12mm Square

With a 23% open area Rigitone Matrix 12mm Square combines exceptional acoustic performance with modern monolithic design thanks to its edge-to-edge perforation layout and unique installation method.

Product Overview

Manufactured by worldwide plasterboard specialist, Saint-Gobain, Rigitone is purpose built to provide exceptional acoustic control with ultimate design freedom. 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.

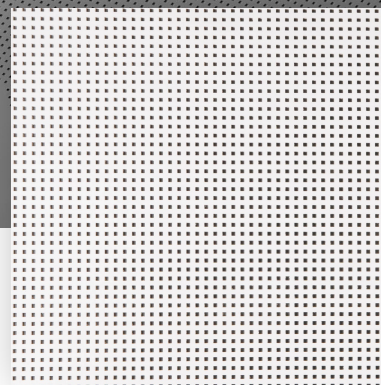
Rigitone Matrix 12mm Square provides a pattern of 12mm square perforations at 25mm centres, providing a 23% open area.

Rigitone is also manufactured with Activ'Air technology which has an enduring impact on indoor air quality. Rigitone Matrix 12mm Square features the new Rigitone™ edge – a chamfered edge that connects directly to adjoining boards at the top, removing the need for a Rigitone Pattern Spacer and ensuring perfect alignment. Boards are pre-primed for a unique installation method using ready-mixed Rigitone Filler, creating a continuous, seamless finish. The availability of seamless access panels ensures easy access to the ceiling cavity while maintaining pattern continuity.

Typical Applications:

Rigitone perforated plasterboard is typically used as a high performance plasterboard for ceilings in commercial constructions where a high level of acoustic performance is required. This includes applications such as theatres, restaurants, shopping centres and hotel foyers. Whilst perforated plasterboard is predominantly installed in ceilings, it is suitable for use in walls.

The unique installation method allows the product's perforated pattern to



Acoustics

Absorbs sound into the ceiling to prevent reverberation



Healthy Environment

Activ'Air for enduring, cleaner air



Aesthetics

Acoustic performance with design freedom

continue uninterrupted, achieved using a specialised compound, accessory kit and primer prior, readying the surface for sanding and painting.

Technical Specifications

Product Options

Rigitone Matrix 12mm Square is available in the following size:

Thickness	12.5mm
Widths	1200mm
Lengths	2000mm

Stockholdings of specific sizes may vary in different regions. For the latest product availability in your area and to place an order, contact your **nearest supplier**.

Product Manufacture

Rigitone Matrix 12mm Square is manufactured for CSR Gyprock by worldwide plasterboard specialist Saint-Gobain.

Product Handling

Transportation and manual handling: Refer to the **Gypsum Board Manufacturers of Australia (GBMA) website** for recommended OH&S practices.

Storage: Protect plasterboard and cornice from weather and moisture. Avoid products sagging by storing horizontally, supported on a level platform or full-width support members spaced at max. 600mm centres.

Health and Safety

Safety Data Sheets are important documents in the construction industry and assist in the continuing focus on occupational health and safety on and off sites.

Manufacturing Tolerances

Nominal Thickness	12.5mm \pm 0.3mm
Nominal Widths	1200mm \pm 3mm
Nominal Lengths	2000mm \pm 3mm
Squareness	90° \pm 1.5mm at 1200mm (short end)

Physical Properties

Nominal Board Weight*	8.5kg/m ²
Fire Hazard Properties Δ	Group No = 1 SMOGR _{RC} <100 m ² /s ²
Combustibility \diamond	Plasterboard may be used wherever a non-combustible material is required.

* Subject to reasonable manufacturing variance

Δ In accordance with AS ISO 9705 and AS 5637.1

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

Installation Instructions

Installing to Standards

AS/NZS2589: Gypsum linings – Application and Finishing outlines the procedures for the installation and finishing of Gyprock Perforated Plasterboard in conjunction with additional details contained in Gyprock Technical Literature.



International Alliance Warranty

Through the International Alliance program, Gyprock seeks to develop exclusive relationships with leading manufacturers throughout the world to deliver the best technologies and products to the Australian construction industry.

Resources

Gyprock makes available **resources** that provide comprehensive selection, design, installation and maintenance guidance.