

Product Data Sheet

Gyptone™ 12mm Square

Enhanced acoustics and style are the hallmarks of Gyptone 12mm Square perforated plasterboard. This superior acoustic solution delivers a grid-format geometric effect plus enhanced air quality thanks to patented Activ'Air technology.

Product Overview

Manufactured by worldwide plasterboard specialist, Saint-Gobain, Gyptone is purpose built to provide exceptional acoustic control with contemporary design. A flexible option provides even greater levels of 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.

Gyptone 12mm Square features eight large square groupings per sheet, each with 400 x 12mm square perforations at 25mm centres, providing a 16% open area.

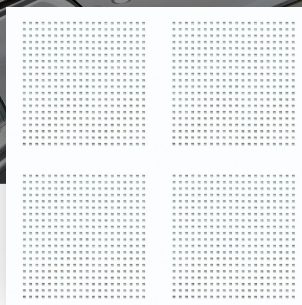
Gyptone is also manufactured with Activ'Air technology which has an enduring impact on indoor air quality. All four edges of Gyptone perforated plasterboards are recessed to make flush jointing quicker and easier without the need for butt joints between full panels. The availability of seamless access panels, ensures easy access to the ceiling cavity while maintaining pattern continuity.

Typical Applications

Gyptone 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.

Gyptone joints are finished with a three coat jointing system and sanded smooth prior to decoration.

Gyptone Flexible – curved, perforated plasterboard for superior acoustic performance and design freedom



Acoustics

Absorbs sound into the ceiling to prevent reverberation



Healthy Environment

Activ'Air for enduring, cleaner air



Aesthetics

Acoustic performance with design freedom

Gyptone Flexible 12mm Square is available to suit curved applications.

- ✓ Dry curve to a 2.2 metre radius
- ✓ Black acoustic fabric backing
- ✓ Activ'Air technology for improved indoor air quality



Technical Specifications

Product Options

Gyptone 12mm Square is available in the following size:

| | |
|---------------|------------------------------------|
| Thickness | 6.5mm Flexible 12.5mm Standard |
| Widths | 1200mm |
| Lengths | 2400mm |
| Edge Profiles | Recessed Edge for regular jointing |

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

Gyptone 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 | 6.5mm and 12.5mm \pm 0.3mm |
| Nominal Widths | 1200mm \pm 3mm |
| Nominal Lengths | 2400mm \pm 3mm |
| Squareness | 90° \pm 1.5mm at 1200mm (short end) |

Physical Properties

| | |
|---------------------------------|---|
| Nominal Board Weight* | 8kg/m ² Standard 6.5kg/m ² Flexible |
| Thermal Resistance | 0.07 m ² K/W |
| Fire Hazard Properties Δ | Group No = 1 SMOGR _{ARC} <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).

NRC Value Summary

| Perforated Pattern | Open Area % | Acoustic Fabric | Plenum (Air Cavity) | | | | | |
|--------------------|-------------|-----------------|---------------------|---------|-------|---------|-------|---------|
| | | | 65mm | | 200mm | | 600mm | |
| | | | Empty | Batts** | Empty | Batts** | Empty | Batts** |
| 12mm Square | 16% | Black | 0.55 | 0.70 | 0.65 | 0.70 | 0.65 | 0.70 |

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.