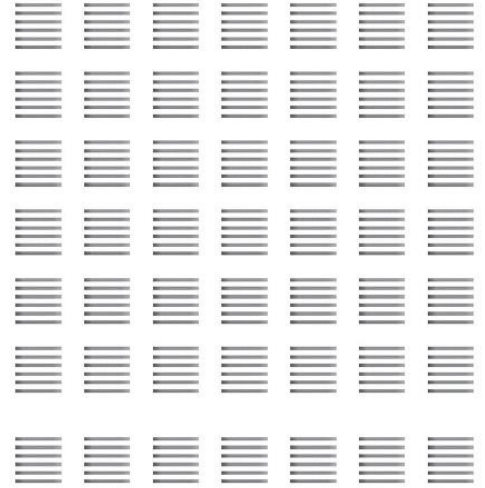




Gyptone™ Slotted Longboard

Gyptone Slotted Longboard is perforated plasterboard that provides exceptional acoustic control delivered with a contemporary design and enhanced indoor air quality due to its Activ'Air technology. The longboard provides a bigger perforation area than the standard board which makes it ideal for creating a strong visual impact on projects with a higher distance from floor to ceiling, as well as better sound absorption. High levels of acoustic absorption are achieved through a combination of perforation patterns and a highly effective white acoustic fabric backing which also prevents dust from the ceiling entering the room and masks the ceiling framework. 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. Gyptone Slotted Longboard features 3 large square groupings per sheet, each with 49 mini grids of six 6mm x 80mm slot perforations, providing a 18% open area.



Recommended Use

- Non-fire rated ceiling and wall applications.
- Commercial construction and projects with a higher distance from floor to ceiling.
- Applications where a high level of acoustic performance is required such as theatres, restaurants, shopping centres and hotel foyers.

| Gyptone Slotted Longboard Specifications | |
|--|---|
| Feature | Description |
| Thickness | 12.5mm |
| Mass | 8kg/m ² |
| Perforated Pattern | Slotted Longboard |
| Open Area | 18% |
| Acoustic Fabric | White |
| Widths | 900mm |
| Lengths | 2700mm |
| Edge Profiles | Recessed Edge |
| Fire Hazard Properties ^A | Group No = 1 SMOGRARC ≤100m ² /s ² |
| Combustibility [◇] | Plasterboard may be used wherever a non-combustible material is required. |

^AIn 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).

Product Features



Acoustics

Absorbs sound into ceiling to prevent reverberation.



Aesthetics

Acoustic performance with design freedom



Activ'Air Technology

Uses Activ'Air technology for cleaner air



International Alliance

Delivered through the International Alliance Program



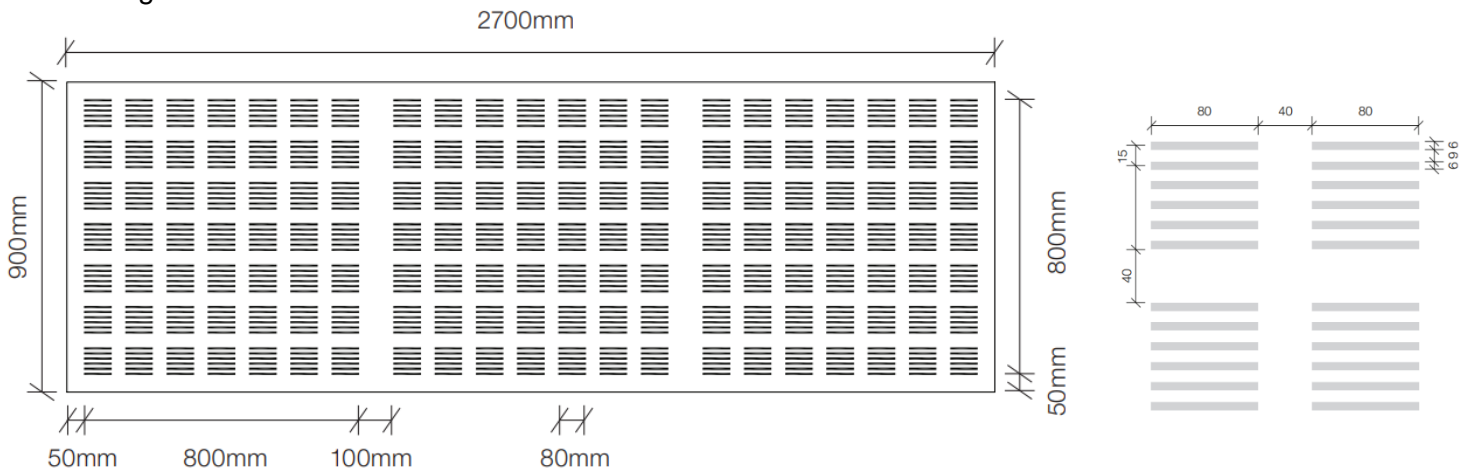
Gyptone Installation

Gyptone perforated products are screw fixed to suspended concealed grid, or direct fixed to framing. The joints are finished with a three coat jointing system and sanded smooth prior to decoration. The sheets are installed with the long edges at right angles to the direction of the framing with maximum 600mm centres. Gyptone Flexible, unlike regular flexible plasterboard, is installed in one layer only and can be curved to a radius of 2.2m. Insulation is limited to 50mm thick and 14kg/m³ density.

Full installation and finishing details can be found in the Red Book 3: Commercial and Multi-Residential Installation Guide – Class 2-9 Buildings.

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 thus 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.



NRC Value Summary

| Slotted Longboard 18% 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 | 0.55 | 0.55 | 0.20 | 0.35 | 0.55 | 0.65 | 0.55 | 0.45 |
| | 50mm glasswool (14kg/m ³) | 0.65 | 0.65 | 0.45 | 0.55 | 0.70 | 0.65 | 0.60 | 0.55 |
| 200mm | Empty | 0.60(L) | 0.65 | 0.50 | 0.65 | 0.70 | 0.60 | 0.55 | 0.50 |
| | 50mm glasswool (14kg/m ³) | 0.65 | 0.65 | 0.60 | 0.65 | 0.65 | 0.60 | 0.60 | 0.55 |
| 600mm | Empty | 0.60 | 0.60 | 0.65 | 0.60 | 0.60 | 0.60 | 0.55 | 0.50 |
| | 50mm glasswool (14kg/m ³) | 0.65 | 0.60 | 0.65 | 0.55 | 0.65 | 0.65 | 0.60 | 0.60 |

Values are acoustic predictions by PKA Acoustic Consulting. (L) denotes excess performance at 250Hz. (M) denotes excess performance at 500Hz, 1000Hz



Manufacturing Tolerances

| | |
|--------------------------|-------------------------------------|
| Nominal Thickness | 12.5mm +/- 0.3mm |
| Nominal Widths | 900mm +/- 3mm |
| Nominal Lengths | 2700mm +/- 3mm |
| Squareness | 90° +/- 1.5mm at 1200mm (short end) |

**Subject to reasonable manufacturing tolerance.

Product Manufacture

Gyptone Slotted Longboard is manufactured for CSR Gyprock by worldwide plasterboard specialist Saint-Gobain.

Access Panels

Gyptone Access Panels are integrated into suspended ceilings to allow for inspection, service and maintenance work on the installations in the space above. Gyprock offers an access panel solution for each pattern profile in the Gyptone range that provides easy access and integrates seamlessly into the ceiling. **Refer to TABLE 1.** Gyptone Access Panels are 600mm x 600mm including the frame with a 510mm x 510mm x 12.5mm hatch piece/opening measurement. The frame weight is 0.9kg and the hatch is approximately 3.6kg.

TABLE 1: Matching Access Panels for Gyptone Perforated Plasterboard

| Panel Description | Matching Access Panel Description |
|-----------------------------------|--|
| Gyptone 12mm Hexagon (63) | Gyptone BT Access Panel 12 Hexagon (63) |
| Gyptone 12mm Square (41) | Gyptone BT Access Panel 12 Square (41) |
| Gyptone 12mm Square Minigrid (47) | Gyptone BT Access Panel 12 Minigrid (47) |
| Gyptone Slotted Minigrid (6) | Gyptone BT Access Panel Slotted Minigrid (6) |

Storage

Protect plasterboard 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.

Healthy and Safety

For further information refer to the Safety Data Sheet for this product which is available from www.gyprock.com.au or contact:

CSR Gyprock
Triniti 3, 39 Delhi Rd, North Ryde NSW 2113
Australia Phone: **131 744**
New Zealand Phone: **0800 277 123**

Resources

For further information on this product please visit www.gyprock.com.au or refer to the Red Book. For technical support, contact:

DESIGNLINK™
PHONE: 1800 621 117

Installing to Standards

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



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.