

Gyptone acoustic ceilings - BIG boards

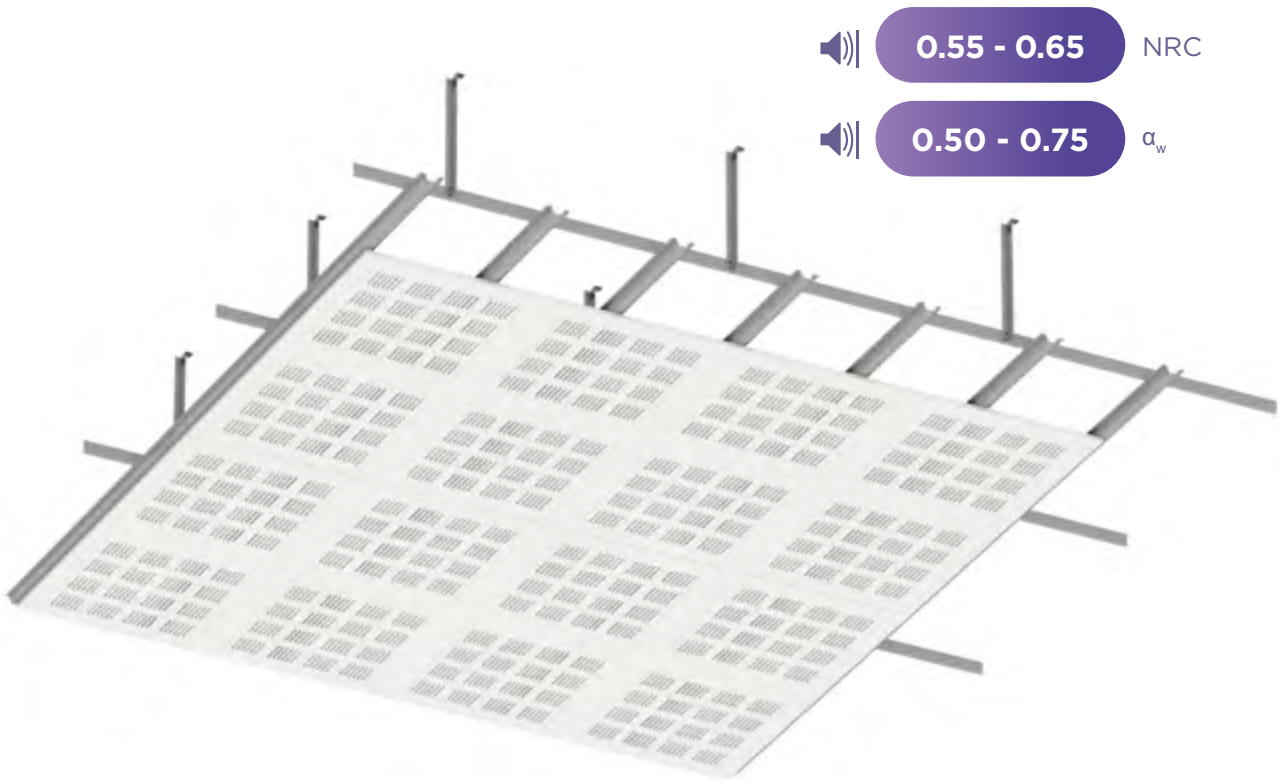
Perforated acoustic solution
with geometric set pattern
and Activ'Air functionality



Gyptone acoustic ceilings - BIG boards

Gyptone BIG Boards are the ideal solution for large rooms that need an acoustic ceiling without any visible joints between the boards. The boards have a strong surface and even stronger connections, which makes them suitable for walls as well.

With Gyptone BIG Boards, you combine attractive design with excellent documented acoustic performance, in full compliance with the most stringent requirements for reverberation and speech intelligibility.



Key Benefits



Sound absorbing solutions with reverberation control



Easy cleaning & maintenance



Fast and easy installation



Improves indoor air quality



Sustainable & 100% recyclable



Gyptone boards are made with tapered edges on all sides



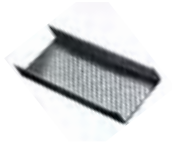
Eligible for the SpecSure warranty from Gyproc

System components

Gypframe metal components



Gypframe MF5 Ceiling Section
Secondary section supported by Gypframe MF7, used to receive board lining



Gypframe MF7 Primary Support
Primary section to support Gypframe MF5 Ceiling Section



Gypframe Shadow Angle
A primed, pre-formed aluminium trim for design effects on Gyproc MF ceilings



Gypframe GA1 Steel Angle
Primarily used as a perimeter wall angle and ceiling hanger in the Gyproc MF Ceiling system



Gypframe Soffit Cleat with Nut & Bolt
Cleat for suspending MF ceiling Gyproc GA1 Steel Angle hangers from soffit

Board products



Gyptone BIG Quattro 41
Achieves high levels of acoustic absorption with a 12mm square cut out design giving a total perforated area of 16%



Gyptone BIG Sixto 63
Perforated plasterboard with hexagonal perforation that, together with acoustic backing tissue, provides good acoustic properties. Perforation area 15%



Gyptone BIG Line 6
A line cut out design of 6mm x 80mm giving a total perforated area of 13% and high levels of acoustic absorption



Gyptone BIG Quattro 71
Perforated plasterboard with 3x3mm small square perforations that, in combination with acoustic backing tissue, provides good acoustic properties. Perforation area 9%



System components (continued)

Fixing products



Gyproc Drywall Screws

Corrosion resistant self-tapping steel screws for fixing board to metal framing less than 0.8mm thick



Gyproc Waferhead Screws

Corrosion resistant self-tapping steel screws for fixing metal to metal framing less than 0.8mm thick



Gyproc Jack-Point Screws

Corrosion resistant self-drilling steel screws for fixing boards to Gypframe metal framing 0.8mm thick or greater



Gyproc Waferhead Jack-Point Screws

Corrosion resistant self-drilling steel screws for fixing metal to metal framing 0.8mm thick or greater



Gyproc Wedge Anchor

Corrosion resistant anchor used for fixing fire rated partition and ceiling systems into masonry



Gyproc Hammer Fix

Corrosion resistant nail, screw engaged in a nylon plug, suitable for fixing non fire rated partition systems and ceiling perimeters into masonry

Corners



Gyproc Drywall Corner Bead

Provides corner reinforcement and protection to plasterboards and plasters



Levelline Flex

Adjustable corner reinforcement that flexes to any angle and gives high levels of impact protection



Gyproc Metal Corner Tape

High quality paper joint tape strengthened with two corrosion-resistant galvanised steel strips for the finishing of internal and external angles in drywall construction



Gyproc Drywall Metal Edge Bead

A galvanised steel channel used to protect plasterboard edges and to form a defined edge commonly used around window reveals

Plasterboard accessories



Gyproc Jointing Compound

Air-drying, asbestos free, ready mixed compound for filling and finishing plasterboard joints and corner beads



Gyproc Paper Tape

Designed for reinforcing flat joints when finishing plasterboard joints providing improved resistance against cracking

Insulation products



ISOVER Eco Acoustic Partition Roll (APR) (25, 50, 75 and 100mm)*

Non-combustible glass mineral wool roll for sound insulation in partitions, linings and ceiling systems

Minimum density: 16 kg/m³

* Available in other thickness and density

Installation overview

Please refer to Gyproc MF ceiling installation guidelines for basic framing instructions and refer to the steps below for installation instructions of Gyptone BIG boards.



Install Gyproframe ceiling framework as described in the Gyproc mf ceiling section ensuring that Gyproframe MF5's are installed at 600mm centres. Set out the ceiling ensuring Gyptone boards are installed perpendicular to the MF5's and Gyptone patterns are aligned.



Fix Gyptone BIG boards using 25mm Gyproc Drywall Screws. Screws are inserted at 200mm centres, 15mm from board edges and 50mm from corners.



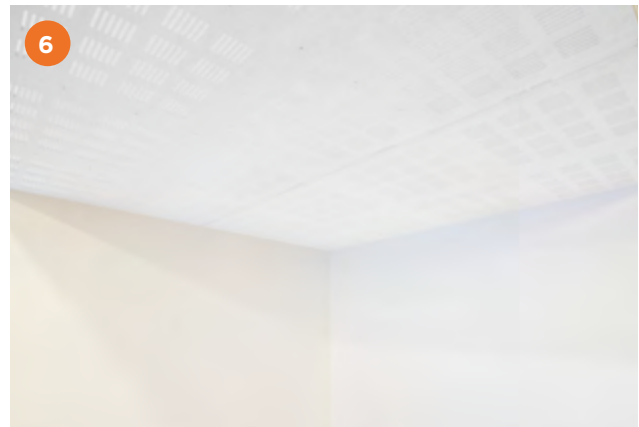
Gyptone BIG boards have all four edges tapered to allow for true flat joints to be created at each board interface to give a perfectly flat finished ceiling. Bed Gyproc Paper Tape firmly into Gyproc Jointing Compound and bulk fill the taper edge joints.



When set, sand if necessary and apply a further coat of Gyproc Jointing Compound and trowel flat taking care not to fill the perforations in the board. Lightly sand to a flat finish and dust off.



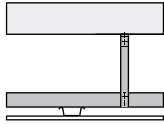
Screw heads are then filled with Gyproc Joint Compound and sanded back to a smooth finish.



Painting of Gyptone BIG boards is to be done with a short haired mohair roller. Boards should not be spray painted as this affects the sound absorption performance.

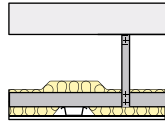
Table 1 - Gyptone sound absorption performance based on ISO 354

1



Gyptone ceiling beneath basic floor. Ceiling linings as in table.

2



Gyptone ceiling suspended beneath basic floor, with Insulation in the cavity. Ceiling linings as in table.

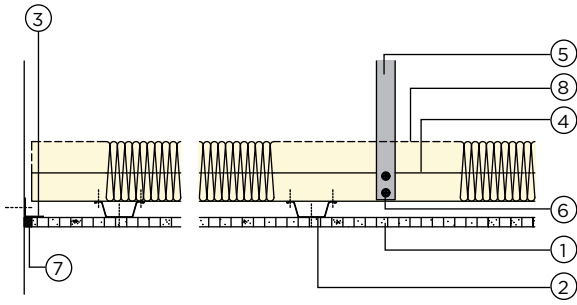
Suspension frame work:

- Gypframe MF7 Primary Support Channel: 1200mm centres
- Gypframe GA1 Hangers fixed to soffit using Gypframe Soffit Cleat: 1200mm centers
- Gypframe MF5 Ceiling Section: 600mm centres

Detail	BIG Board type	Insulation	Plenum depth mm	Sound absorption	
				NRC	α_w
1	Quattro 41	-	200	0.65	0.65
2	Quattro 41	50	400	0.65	0.75
1	Line 6	-	200	0.55	0.50
2	Line 6	50	400	0.55	0.60
2	Line 6	100	400	0.65	0.65
1	Sixto 63	-	200	0.60	0.60
2	Sixto 63	25	200	0.60	0.65
2	Sixto 63	75	300	0.65	0.70
1	Quattro 71	-	200	0.55	0.55
2	Quattro 71	75	300	0.55	0.55

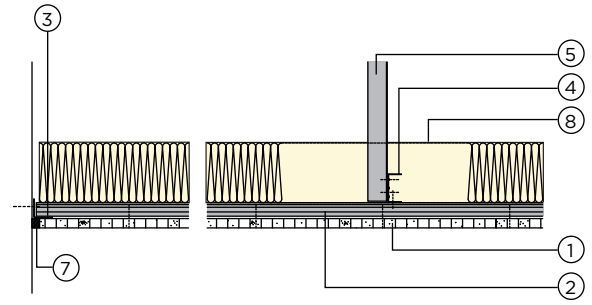
Construction details

1



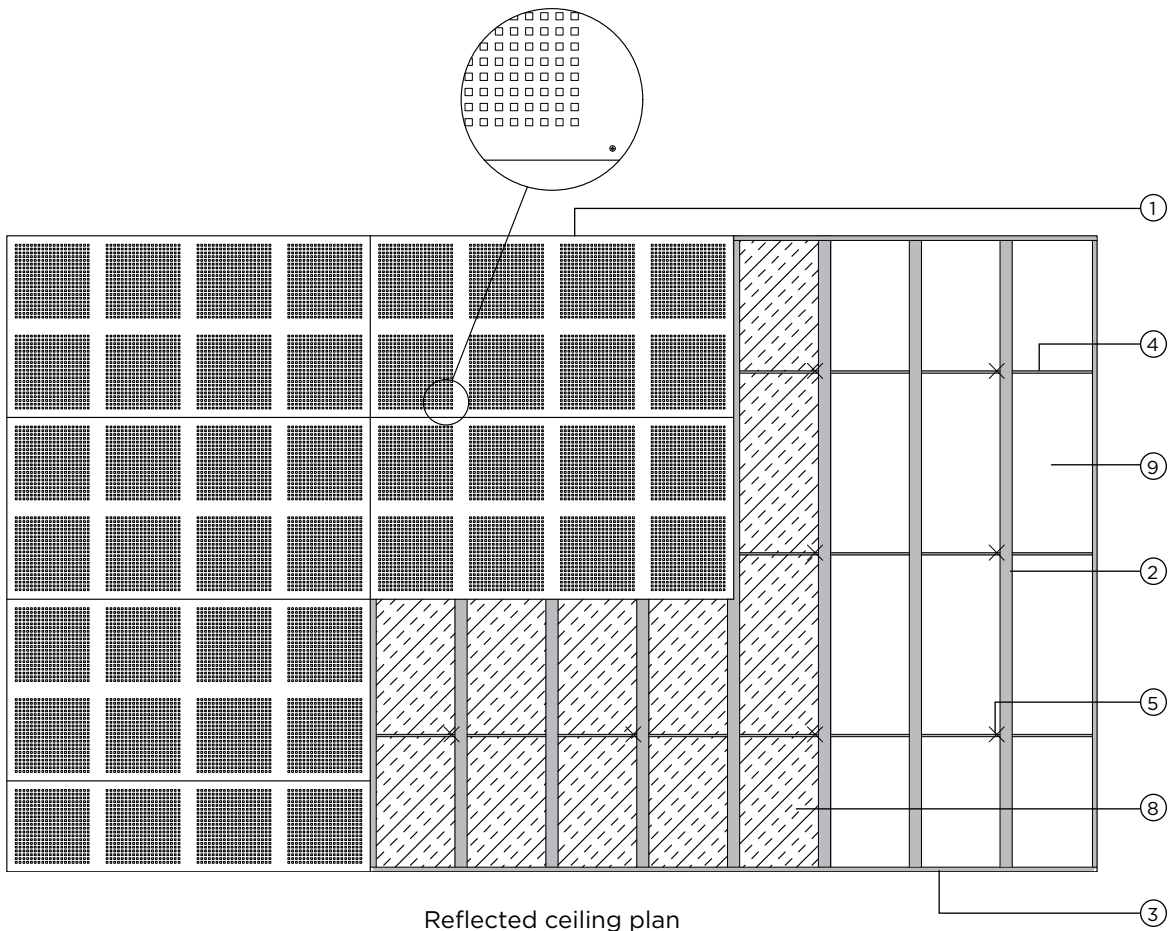
Perimeter detail parallel to Gyprock MF5

2



Perimeter detail perpendicular to Gyprock MF5

3



Reflected ceiling plan

- | | |
|--|--------------------------------------|
| 1. Gyptone BIG board | 6. Gyproc Waferhead Jack-Point Screw |
| 2. Gyprock MF5 Ceiling Section | 7. Gyproc Jointing Compound |
| 3. Gyprock GA1 Perimeter Angle | 8. ISOVER Eco APR |
| 4. Gyprock MF7 Primary Support Channel | 9. Concrete soffit |
| 5. Gyprock GA1 Steel Angle hanger | |

Notes
