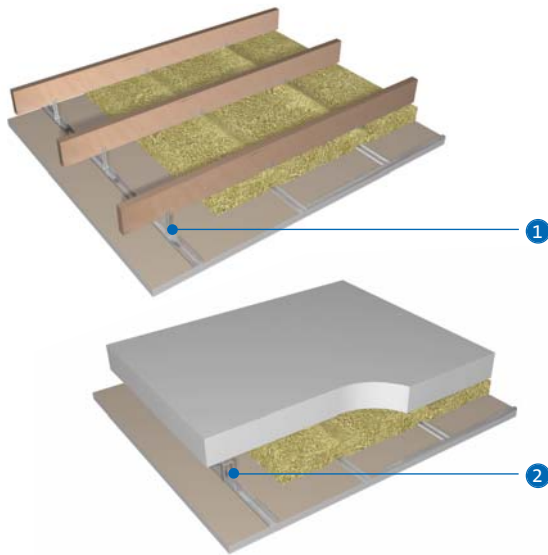


Gyplyner™ (Ceilings)

Concealed grid ceiling lining system

Gyplyner™ ceiling is a general purpose ceiling lining system suitable for most internal applications. It is used in all types of buildings, from residential properties to large commercial developments, and is equally suited to both new-build and refurbishment. The system is compatible with, and uses common components of, Gyplyner™ wall lining and Gyplyner™ ENCASE steel encasement systems.





- 1 Gypframe GL1 Lining Channel + Gypframe GL5 or GL6 Timber Connector
- 2 Gypframe GL1 Lining Channel + Gypframe GL2, GL9 or GL12 Bracket

Key facts

- General purpose and versatile ceiling lining
- Suitable for concrete soffits or timber joists
- Seamless lining surface
- Ceiling void accommodates small service routings
- Stand-off can be adjusted up to 175mm
- Commonality of ceiling and wall lining components

Components

Gyproc and Glasroc board products



Gyproc WallBoard^{1,2}

Thickness	12.5, 15mm
Width	900, 1200mm



Gyproc SoundBloc¹

Thickness	12.5, 15mm
Width	1200mm



Gyproc FireLine^{1,2}

Thickness	12.5, 15mm
Width	1200mm



Gyproc Plank

Thickness	19mm
Width	600mm



Glasroc MultiBoard

Thickness	12.5mm
Width	1200mm

¹ Moisture resistant boards are specified in intermittent wet use areas e.g. shower areas, bathrooms, and kitchens.

² Also available in DUPLEX grades where vapour control is required.

Gypframe metal products



Gypframe GL1 Lining Channel



Gypframe GL8 Track



Gypframe GL2 Bracket

For fixing to concrete, masonry, or existing boarded ceiling structures.
(max 75mm stand-off from structure)



Gypframe GL9 Bracket

For fixing to concrete, masonry, or existing boarded ceiling structures.
(max 125mm stand-off from structure)



Gypframe GL12 Bracket

For fixing to concrete, masonry, or existing boarded ceiling structures.
(max 175mm stand-off from structure)



Gypframe GL3 Channel Connector

For joining GL1 Lining Channels.

Gypframe metal products



Gypframe GL5 Timber Connector

Maximum 35mm drop.



Gypframe GL6 Timber Connector

Maximum 120mm drop.

Fixing and finishing products



Gyproc Profilex Access Panels

For access to the plenum for maintenance purposes.



Gyproc Wafer Head Drywall Screws

For metal-to-metal fixing up to 0.79mm thick.

Fixing and finishing products



Gyproc Drywall Timber Screws

For fixing timber connectors to timber supports.



Gypframe GL11 Gyplyner Anchors

For fixing GL2, GL9 or GL12 Brackets to concrete / masonry.



Gyproc Drywall Screws

For fixing boards to framing up to 0.79mm thick.



Gyproc Sealant

Sealing air paths for optimum sound insulation.



Gyproc jointing materials

For a seamless finish.

Components

Fixing and finishing products



Gyproc Skimcoat, Gyproc Carlite Finish or Gyproc Board Finish

To provide a plaster skim finish.



Moy Plus Roll

For providing acoustic / thermal insulation.

or



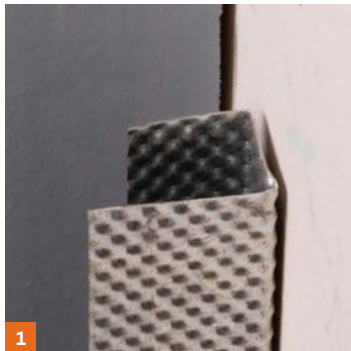
Moy Acoustic Roll

For enhanced acoustic performance.

Construction tips

- Estimated construction time 3m² / man hour (single layer ceiling) or 2m² - 2.5m² / man hour (double layer ceiling) - ready for finishing
- For concrete soffits allow for a stand-off of 25mm-75mm plus lining thickness using Gypframe GL2 Brackets, 25mm-125mm plus lining thickness using Gypframe GL9 Brackets, and 25mm-175mm plus lining thickness using Gypframe GL12 Brackets
- For timber joists using Gypframe GL5 or GL6 Timber Connectors, allow for a maximum cavity depth of 35mm and 120mm respectively (measured from the bottom of the joists to the underside of the lining)
- Gypframe GL11 Gyplyner Anchors are recommended for fixing brackets to solid concrete and masonry
- Seal all gaps at the perimeter of the ceiling and any small air paths with Gyproc Sealant to maintain air-tightness and optimum sound insulation
- To reduce the risk of interstitial condensation install a vapour control layer
- Predetermine the position of fixtures and fittings with supplementary framing, and use Gyproc Profiflex Access Panels at key access points

Installation - concrete soffit



- Determine the required ceiling level and mark the position of Gypframe GL8 Track on the walls.
- Fix Gypframe GL8 Track with the longer leg at the bottom, at 600mm centres using suitable fixings (by others).
- Mark lines on the soffit to determine the Gyplyner bracket positions. Position the lines at 450mm (maximum) intervals for 12.5mm linings, or 600mm (maximum) intervals for 15mm linings.

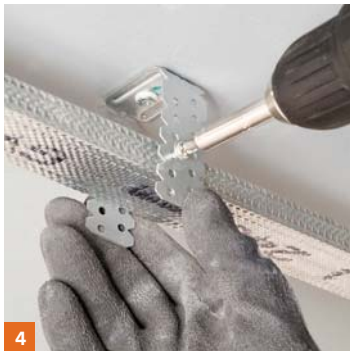


- Fix brackets at 1200mm maximum centres. Position each bracket, fold down one leg and fix through bracket slot to the soffit using a Gypframe GL11 Gyplyner Anchor.
- Mark protruding leg of each bracket to indicate the fixing level of the Gypframe GL1 Lining Channel.

NB Select Gypframe GL2 Bracket for stand-offs between 25mm and 75mm; Gypframe GL9 Bracket for stand-offs between 25mm and 125mm; or Gypframe GL12 Bracket for stand-offs between 25mm and 175mm.



- Locate Gypframe GL1 Lining Channel into the perimeter track.

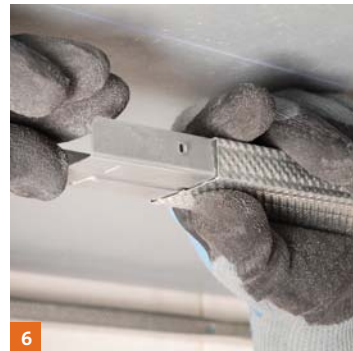


- Position the channel, bend down the other leg of each bracket in turn and screw fix each leg to the GL1 Lining Channel using Gyproc Wafer Head Drywall Screws.

NB Ensure that the channel is level before fixing.



- Bend back the protruding leg of each bracket to sit back from the channel face.



- Extend channel sections, where required, by engaging channel ends over a Gyproframe GL3 Channel Connector.

Fixtures

- Install any additional channel or supplementary framing as required to support fixtures and fittings.



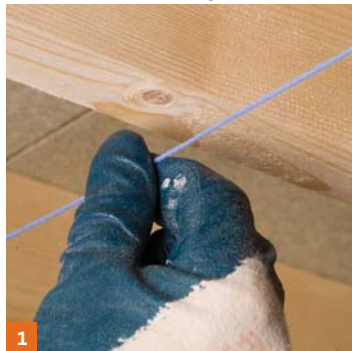
Board fixing

- Screw fix board to supports with long edges at right angles to the framing.
- Lightly butt board ends and insert fixings no closer than 10mm from bound edges and 13mm from cut edges. Stagger end joints.
- Insert Gyproc Drywall Screws at 230mm maximum centres in the field of the boards, and 150mm maximum centres at board ends.

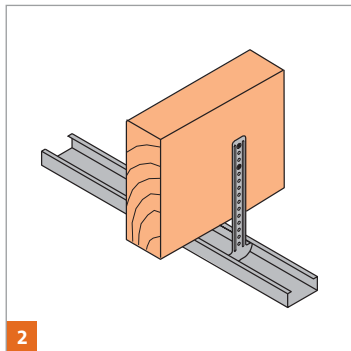
- For double layer linings stagger board joints in the second layer relative to the first.

NB Select Gyproc Drywall Screws to provide a nominal 10mm penetration into the framing (dependent on board thickness).

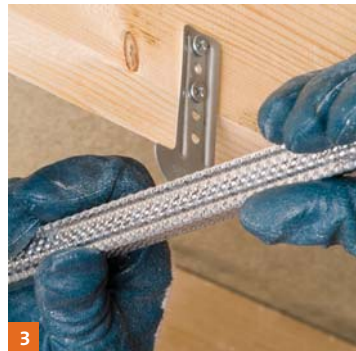
Installation - timber joists



- Determine the required ceiling level, mark and fix Gyproframe GL8 Track at perimeter as for concrete soffits.
- Mark lines beneath the joists to determine the timber connector fixing positions. Position lines at 450mm (maximum) intervals for 12.5mm linings, or 600mm (maximum) intervals for 15mm linings.

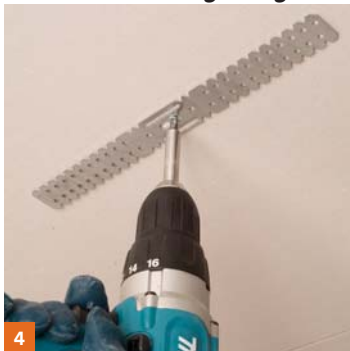


- Fix timber connectors at 1200mm maximum centres. Fix each timber connector to the side of a joist using two Gyproc Drywall Timber Screws.
- NB** Allow two holes between fixings for Gyproframe GL6 Timber Connector. Align accurately since the connectors cannot be adjusted once fixed.



- Engage one side of the Gyproframe GL1 Lining Channel into a row of timber connectors and twist into position.
- Push the channel to locate into the perimeter track.
- Extend channel sections, where required, by engaging channel ends over a Gyproframe GL3 Channel Connector.

Installation - existing ceiling

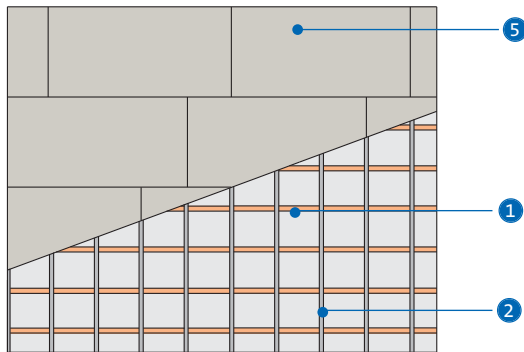


Board fixing

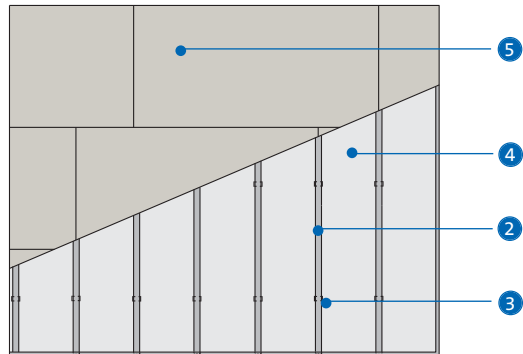
- Fix board to supports as for concrete soffits but ensure that board edge joints do not coincide with the position of timber connectors.

- If the existing ceiling is to be retained, Gypframe GL2, GL9 or GL12 Brackets are fixed to joists through the retained ceiling with suitable fixings. Gypframe GL1 Lining Channels and boards are fixed to form the new ceiling.

Construction details



5 Typical layout (12.5mm x 900mm x 1800mm board on 450mm grid centres) to timber joists.



6 Typical layout (15mm x 1200mm x 2400mm board on 600mm grid centres) to concrete soffit.

- 1** Solid timber joists
- 2** Gypframe GL1 Lining Channel
- 3** Gypframe GL2 / GL9 / GL12 Fixing Bracket
- 4** Concrete floor slab
- 5** Gyproc or Glasroc board