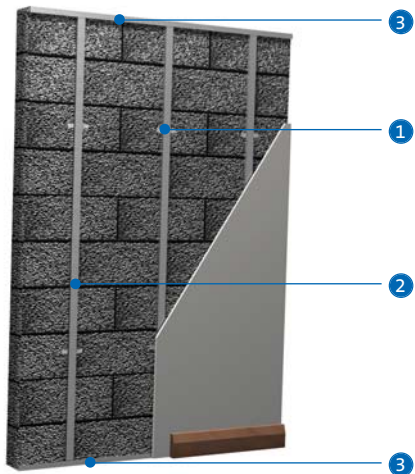


Metal framed wall lining system

Gyplyner™ is a cost-effective, virtually independent metal frame drylining system for lining walls. General purpose and suitable for all internal non-loadbearing applications. This system is compatible with, and uses common components of, Gyplyner™ ceiling lining and Gyplyner™ ENCASE steel encasement system.





- 1 Gyframe GL2 or GL9 Bracket
- 2 Gyframe GL1 Lining Channel
- 3 Gyframe GL8 Track

Key facts

- Corrects background irregularities
- Minimal connection to the structure
- Can satisfy National Building Regulations on thermal performance
- Can be used to upgrade the sound resistance and thermal insulation
- Versatile, general purpose lining
- Little or no background preparation needed
- Commonality of ceiling and wall lining components

Components

Gyproc board products



Gyproc WallBoard^{1,2}

Thickness	12.5, 15mm
Width	1200mm



Gyproc SoundBloc

Width	1200mm
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Gyproc DuraLine¹

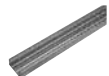
Thickness	13.5, 15mm
Width	1200mm



Gyproc Thermal laminate

Width	600, 1200mm
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Gypframe metal products



Gypframe GL1 Lining Channel



Gypframe GL8 Track



Gypframe GL2 Bracket

Length	195mm flat (max 75mm stand-off from wall)
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Gypframe GL9 Bracket

Length	295mm flat (max 125mm stand-off from wall)
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Gypframe GL3 Channel Connector

For joining GL1 Lining Channels.

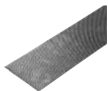
¹ Moisture resistant boards are specified in intermittent wet use areas e.g. shower areas, bathrooms and kitchens.

² Also available in DUPLEX grades where a vapour check is required.

Gypframe metal products



Gypframe 99 FC 50 Fixing Channel



Gypframe GFS1 Fixing Strap



Gypframe GFT1 Fixing 'T'

Fixing and finishing products



**Gyproc Wafer Head
Drywall Screws**

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



Gypframe GL11 Gyplyner Anchors

For fixing Gypframe GL2 or GL9 Brackets to concrete / masonry



Gyproc Drywall Screws

For fixing boards to stud framing up to 0.79mm thick

Components

Fixing and finishing products



Gyproc Sealant

Sealing air paths for optimum sound insulation.



Gyproc edge beads

Protecting and enhancing board edges.



Gyproc Control Joint

To accommodate structural movement.

Fixing and finishing products



Gyproc jointing materials

For a seamless finish.



Gyproc Skimcoat, Gyproc Carlite Finish, Gyproc Board Finish,

To provide a plaster skim finish.



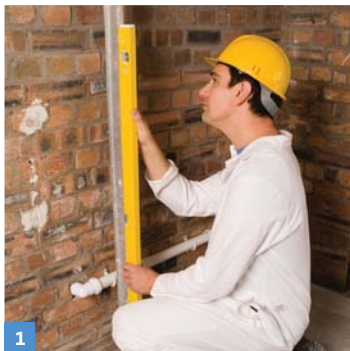
Moy Isover Insulation

For enhanced acoustic and thermal performance.

Construction tips

- Estimated construction time 3m² / man hour - ready for finishing
- Depth of the cavity is determined by the fixing brackets. Allow a stand-off of 25mm - 75mm, plus the lining thickness, for a Gypframe GL2 Bracket and 25mm - 125mm, plus the lining thickness, for a Gypframe GL9 Bracket
- Keep the drylining cavity closed to prevent downgrading the thermal performance - where required apply a continuous band of Gyproc Compound or Gyproc Sealant to the perimeter of external walls, around service penetrations, openings, junctions and around the perimeter of suspended timber floors
- Brackets to be fixed at a maximum of 800mm vertical centres
- Use full height boards where possible - if joints are unavoidable, position them above suspended ceilings or below access floor level where possible
- Support horizontal joints with Gypframe GFS1 Fixing Strap, Gypframe 99FC50 Fixing Channel, or Gypframe GFT1 Fixing 'T' (where specified).
- Form vertical cavity barriers, where specified, in long runs of lining

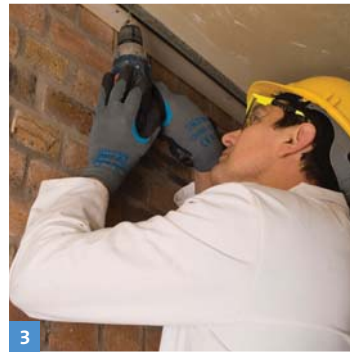
Installation



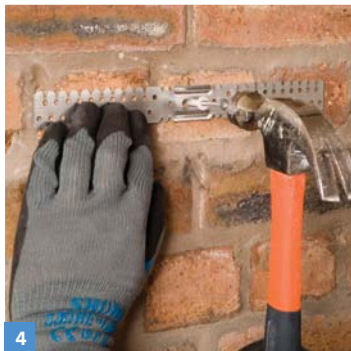
- Use a straight edge (e.g. Gypframe GL1 Lining Channel) to determine the maximum undulation in the wall or service protrusion. This will determine the minimum cavity depth.



- Determine cavity depth required and mark chalk lines to floor and ceiling to indicate positioning of Gypframe GL8 Track.



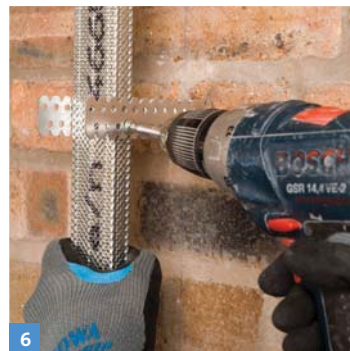
- Fix Gypframe GL8 Track to perimeters, with the longer leg towards the lining, at 600mm centres using appropriate fixings.



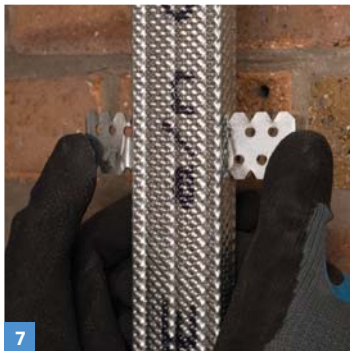
- Mark vertical lines on the wall at 600mm intervals (450mm intervals for 900mm width boards) to indicate bracket fixing centres.
- Mark horizontal lines at 800mm centres to determine individual bracket position.
- Position each bracket, ribs to the wall, and fix through bracket slot into the masonry wall using a Gypframe GL11 Gyplyner Anchor.



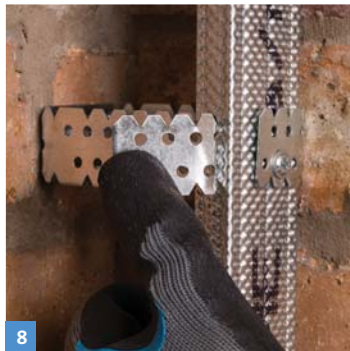
- Cut Gypframe GL1 Lining Channels to size and round-off ends with tin snips for an easier fit.
 - Extend Gypframe GL1 Channels, where required, by engaging channel ends over a Gypframe GL3 Channel Connector.
- NB** Additional Gypframe GL1 Lining Channels may be required to pick up fixings for subsequent adjacent linings.
- Friction fit Gypframe GL1 Lining Channel into the track.



- Bend bracket legs forward and fix each leg to the channel using a Gyproc Wafer Head Drywall Screw. Insert screw through the hole in the bracket nearest to the back of the channel (See Construction details , Figure 18).
- NB** Avoid exerting any backwards or forwards pressure on the channels when screw-fixing the brackets, otherwise a straight and true lining surface may not be achieved.



- Bend back protruding bracket legs to sit clear of the channel face.
- Fix Gypframe GFS1 Fixing Strap or GFT1 Fixing 'T' to back horizontal board joints if required.



Internal angles

- Position a Gypframe GL1 Lining Channel tight into the corner in order to provide support for the lining.
- Bend one bracket leg across the face of the Gypframe GL1 Lining Channel and fix with a Gyproc Wafer Head Drywall Screw to secure and restrain the channel at the corner position.



Board fixing

- Fix boards to all framing members at 300mm centres using Gyproc Drywall Screws from top to bottom.
 - Lightly butt boards, inserting screws not closer than 10mm from bound edges and 13mm from cut edges.
- NB** Select the appropriate length of fixing to provide a nominal 10mm penetration into the steel framing.



- Perpendicular linings to be fixed through previous plasterboard into the Gypframe GL1 Lining Channel behind.
- Locate Gypframe GL8 Track tight to the wall at the corner position and fix through the lining into the channel.



Openings

- Position a Gypframe GL1 Lining Channel each side of the opening while compensating for the thickness of the plasterboard to be fixed into the reveal.
- Fix to Gypframe GL8 Track at head and base with Gyproc Wafer Head Drywall Screw.
- Continue boarding, fixing boards to all framing members.
- Install cut and bent Gypframe GL8 Track to form the head of the opening and fix to the side of the Gypframe GL1 Channels using two Gyproc Wafer Head Drywall Screws.



- Position a short length of Gypframe GL1 Lining Channel above the opening to support vertical board joints and fix using two Gyproc Wafer Head Drywall Screws.
- Maximum 600mm centres for Gypframe GL1 Channels must be maintained.



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- Fix Gyproc edge bead to the perimeter of the window frame to provide edge restraint and protection to the reveal and soffit linings.



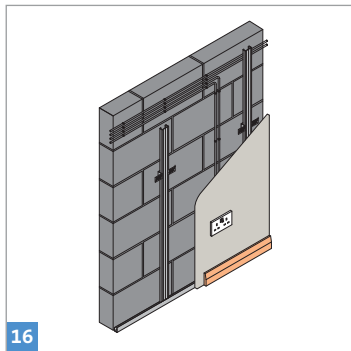
14

- Cut reveal and soffit boards to width, locate into the perimeter edge bead and fix into the Gypframe GL9 Channel and Gypframe GL8 Track.
- Fix boards to complete drylining at the opening.



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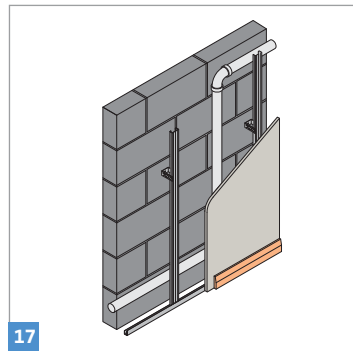
- Where openings occur in the run of lining, cut board around the opening to avoid a joint directly in line with edge of openings.
- Ensure vertical board joints above door opens are supported by Gypframe GL1 Channels.



Insulation

- If Moy insulation is specified, install progressively as boarding proceeds.

NB The insulating backing of Gyproc Thermal laminates should not be chased to accommodate services. PVC covered cables must not come into contact with polystyrene insulation. Use suitable isolation methods (conduit or capping)

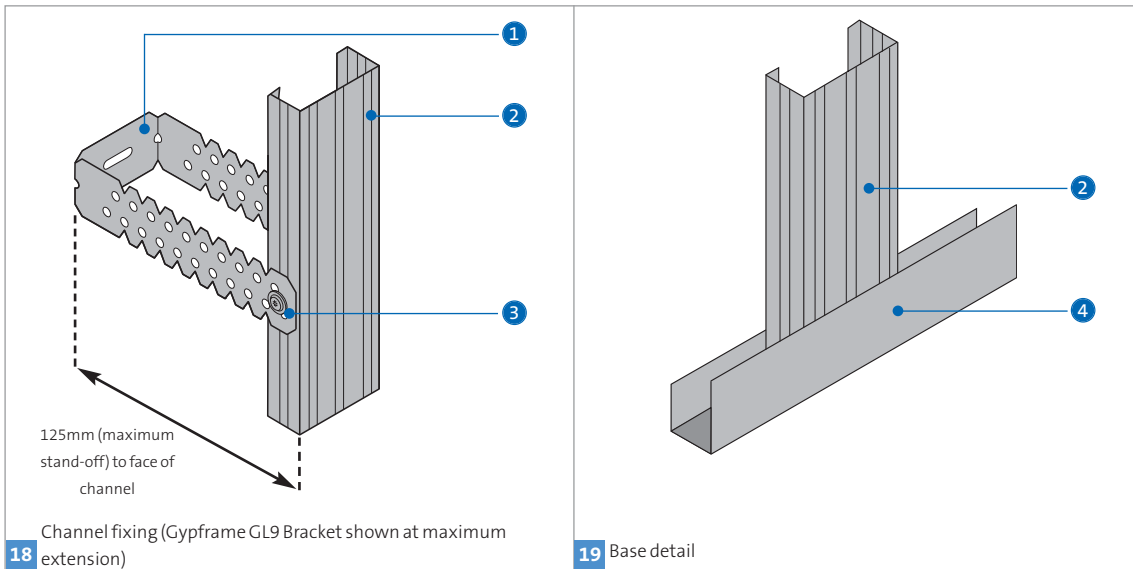


Service installations

- The drylining cavity facilitates the incorporation of services. Fix pipes and conduits in position before installing the framing.

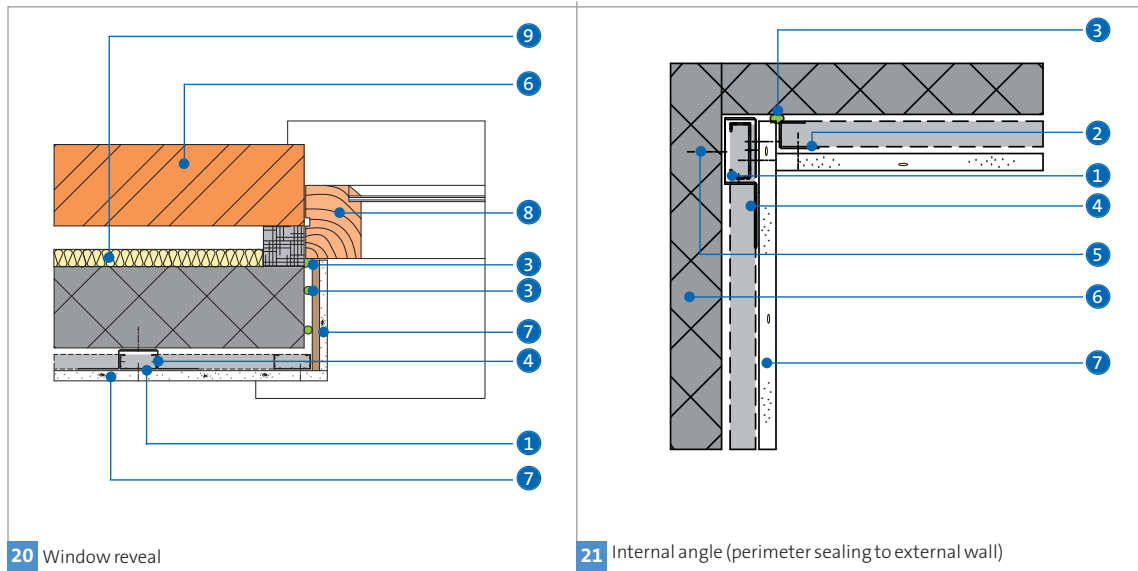
- All services should be installed in accordance with all available standards, guidelines and recommendations.

Construction details



- 1 Gypframe GL2 or GL9 Bracket
- 2 Gypframe GL1 Lining Channel
- 3 Gyproc Wafer Head Drywall Screw

- 4 Gypframe GL8 Track



20 Window reveal

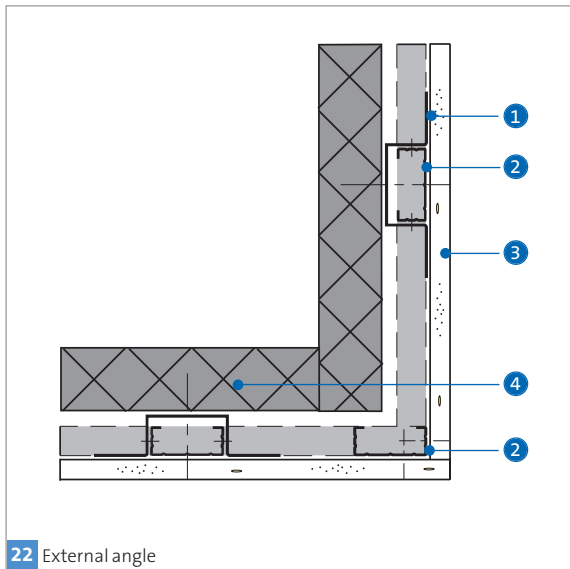
21 Internal angle (perimeter sealing to external wall)

- 1 Gypframe GL1 Lining Channel
- 2 Gypframe GL8 Track
- 3 Gyproc Sealant

- 4 Gypframe GL2 or GL9 Bracket
- 5 Gypframe GL11 GypLyner Anchor
- 6 Wall structure

- 7 Gyproc plasterboard lining
- 8 Proprietary window unit
- 9 Moy Isover Insulation
(subject to requirements)

Junction details



- ① Gypframe GL2 or GL9 Bracket
- ② Gypframe GL1 Lining Channel
- ③ Gyproc plasterboard lining
- ④ Wall structure

