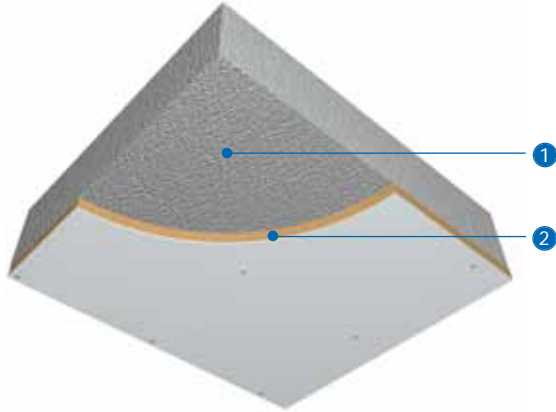


Thermal lining system for semi-exposed soffits

SoffitLine combines the aesthetic benefits of Glasroc MultiBoard with thermally efficient phenolic foam insulation. It can be directly fixed to the underside of semi-exposed soffits or using the **GypLyner** system or **CasoLine mF** system. The smooth, off-white surface finish of Glasroc SoffitLine makes it ideal for carports and basements where the panels can be left undecorated.





- 1 Semi-exposed soffit
- 2 Glasroc SoffitLine

Key facts

- Ideal for semi-exposed situations
- Smooth, durable surface
- High thermal efficiency
- Off-white surface can be painted or left undecorated
- Choice of fixing methods

Components

Glasroc board products



Glasroc SoffitLine

Comprises 6mm Glasroc MultiBoard with a backing of foil faced CFC and HCFC-free phenolic foam providing integral vapour control and a high level of thermal insulation.

Take-off quantities¹

100m²

Thickness	26, 36, 46, 56, 66, 76, 86mm
Width x Length	1200 x 2400mm

¹ Quantities are for 100m² of ceiling lining and are approximate and for guidance only, no allowance has been made for waste.

² 86mm thick Glasroc SoffitLine should be fixed using a proprietary fixing by others, providing a minimum 10mm penetration into metal sections and 25mm penetration into timber. When fixing 76mm thick Glasroc SoffitLine to timber, use proprietary fixings by others.

Fixing and finishing products

Option 1 - fixing to GypLyner UNIVERSAL



Gypframe GL1 Lining Channel

Main support section.

Prime dimensions	45 x 18mm
Length	2400, 2700, 3000, 3600mm

168 m



Gypframe GL8 Track

Prime dimensions	30 x 20 x 20mm
Length	3600mm

subject to
ceiling
perimeter



Gypframe GL2 Bracket

Fixing to structure.

Length	195mm
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135



Gypframe GL9 Bracket

Fixing to structure where greater extension is required.

Length	295mm
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

135




Gyproc Drywall Screws²

For fixing Glasroc SoffitLine to metal framing.

525

Fixing and finishing products	Take-off quantities ¹						
Option 2 - fixing to CasoLine MF							
 <p>Gypframe MF5 Ceiling Section Main support section.</p> <table border="0"> <tr> <td>Prime dimensions</td> <td>80 x 26mm</td> </tr> <tr> <td>Gauge</td> <td>0.5mm</td> </tr> <tr> <td>Length</td> <td>3600mm</td> </tr> </table>	Prime dimensions	80 x 26mm	Gauge	0.5mm	Length	3600mm	168 m
Prime dimensions	80 x 26mm						
Gauge	0.5mm						
Length	3600mm						
 <p>Gypframe MF6 Perimeter Channel Perimeter support for MF5s.</p> <table border="0"> <tr> <td>Prime dimensions</td> <td>20 x 27 x 30mm</td> </tr> <tr> <td>Gauge</td> <td>0.5mm</td> </tr> <tr> <td>Length</td> <td>3600mm</td> </tr> </table>	Prime dimensions	20 x 27 x 30mm	Gauge	0.5mm	Length	3600mm	subject to ceiling perimeter
Prime dimensions	20 x 27 x 30mm						
Gauge	0.5mm						
Length	3600mm						
 <p>Gyproc Drywall Screws² For fixing Glasroc SoffitLine to metal framing.</p>	525						

Fixing and finishing products	Take-off quantities ¹		
Option 3 - fixing direct to soffit			
<p>Proprietary concrete fixings (by others).</p>	975 per 100m ²		
Option 4 - fixing via timber battens			
 <p>Gyproc Drywall Timber Screws² For a positive direct fix of boards to timber battens.</p> <table border="0"> <tr> <td>Length</td> <td>51, 60mm</td> </tr> </table>	Length	51, 60mm	525
Length	51, 60mm		

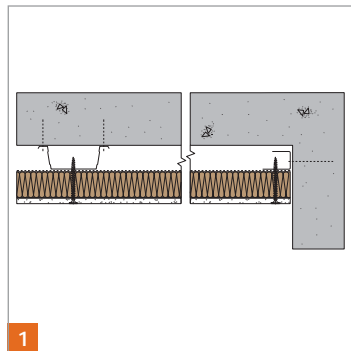
Construction tips

- Glasroc SoffitLine is suitable for semi-exposed applications such as soffits and car-ports, where perimeters are open to the elements. The phenolic foam insulation in Glasroc SoffitLine has a closed cell structure giving it good resistance to moisture
- Glasroc SoffitLine must not be subjected to direct exposure to the elements such as driving rain
- Consider finishing requirements. The board surface can be left undecorated but colour matching can not be guaranteed – there may be slight variations. The application of two coats of exterior quality paint after joint treatment will provide consistent appearance and enhanced durability
- Consider any requirements for condensation control. Glasroc SoffitLine offers significant resistance to water vapour transmission provided that all board joints are taped and filled
- Install Glasroc SoffitLine where there is a thermal requirement. It will reduce heat loss from the building and can reduce the risk of surface condensation occurring at cold bridges e.g. around openings
- Consider fixing method - either to metal / timber framework or direct to the soffit

Construction tips (cont'd)

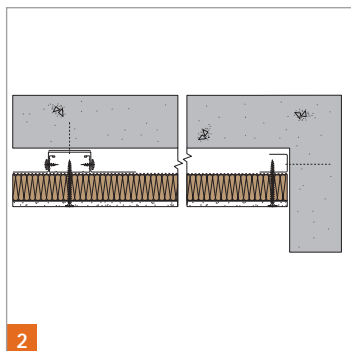
- Fixtures - ensure that the fixing device selected is long enough to give adequate penetration into either the framing member or the soffit
- Deflection - metal framing - normal 600mm framing centres will achieve a deflection criteria of $L/360$. Where deflection criteria are more stringent, framing centres will need to be reduced to 400mm

Installation

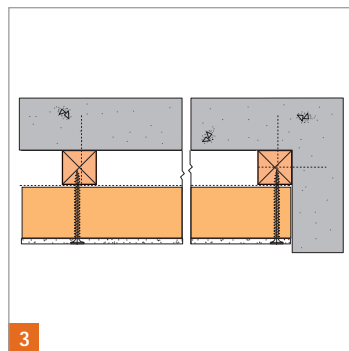


1 Fixing to concrete soffit with metal framing supports

- Locate Gypframe MF5 Ceiling Section at 600mm centres.
- Fix to the soffit using suitable fixings spaced at 1200mm centres, two fixings at each point, one in each leg of the Gypframe MF5 Ceiling Section.

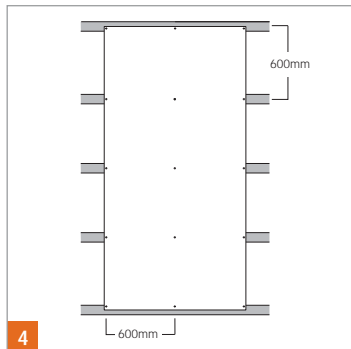


- Where boards are to be fixed to GypLyner, locate framing as normal (refer to section 6 - GypLyner UNIVERSAL) using channel and screw centres as for Gypframe MF5 Ceiling Section previously.



3 Fixing to concrete soffit with timber batten supports

- Locate timber battens at maximum 600mm centres.
 - Battens should be fixed using suitable fixings spaced at 1200mm centres.
- NB** Normal 600mm framing centres will achieve deflection criteria of $L/360$. Where deflection criteria are more stringent, framing centres will need to be reduced to 400mm.



Fixing to metal framing

- Fix boards at right angles to the section.
- Use Gyproc Drywall Screws of a sufficient length to allow a nominal 10mm penetration into the metal.
- Insert screws at 600mm maximum centres into the field of the boards and at board ends.

Fixing to timber framing

- Position boards at right angles to the battens.
- Fix using Gyproc Drywall Timber Screws or Gyproc Drywall Screws of a sufficient length to allow a nominal 25mm penetration into the timber.
- Insert screws at 600mm centres into the field of the board and at board ends.

Fixing direct to the soffit

- Use proprietary concrete fixings, and insert at 400mm maximum centres.
- NB** Good standards of thermal insulation can be achieved although there may be a slight risk of pattern staining where temperature, humidity, and soiling conditions are extreme.