

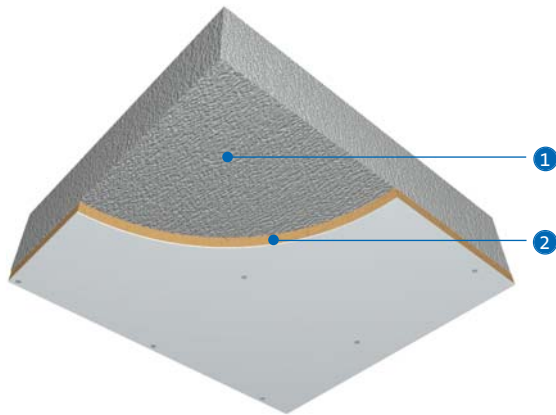
Semi-exposed soffits

Thermal lining system for semi-exposed soffits

SoffitLine combines the benefits of Gyproc MultiBoard with thermally efficient phenolic foam insulation. It can be directly fixed to the underside of semi-exposed soffits, or it can be fixed to a framework of GyPLYner™, Casoline MF or timber battens.

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

Thickness	26, 36, 46, 56, 66, 76 ¹ , 86 ¹ mm
Width x Length	1200 x 2400mm

¹ 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 Gylyner™



Gypframe GL1 Lining Channel

Main support section.

Prime dimensions 45 x 18mm



Gypframe GL8 Track

Prime dimensions 30 x 20 x 20mm



Gypframe GL2 Bracket

Fixing to structure.



Gypframe GL9 Bracket

Fixing to structure where greater extension is required.



Gyproc Drywall Screws¹

For fixing Glasroc SoffitLine to metal framing.

Fixing and finishing products

Option 2 - fixing to CasoLine MF



Gypframe MF5 Ceiling Section

Main support section.

Prime dimensions 80 x 26mm



Gypframe MF6 Perimeter Channel

Perimeter support for MF5s.

Prime dimensions 20 x 27 x 30mm



Gyproc Drywall Screws¹

For fixing Glasroc SoffitLine to metal framing.

Fixing and finishing products

Option 3 - fixing direct to soffit

Proprietary concrete fixings

(by others).

Option 4 - fixing via timber battens



Gyproc Drywall Timber Screws¹

For a positive direct fix of boards to timber battens.

Length 51, 60mm



Gyproc Skimcoat, Gyproc Carlite Finish or Gyproc Board Finish

To provide a plaster skim finish.

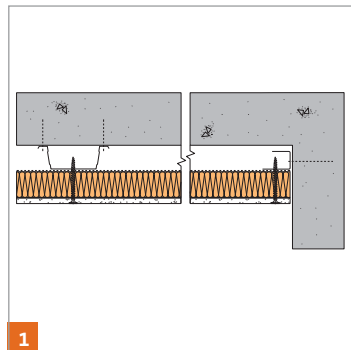
Construction tips

- Glasroc SoffitLine is suitable for semi-exposed applications such as the underside of soffits and car-ports, where the board is exposed to the elements, but not subjected to direct exposure to weathering such as driving rain or free running water
- The phenolic foam insulation in Glasroc SoffitLine has a closed cell structure giving it good resistance to moisture
- 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)

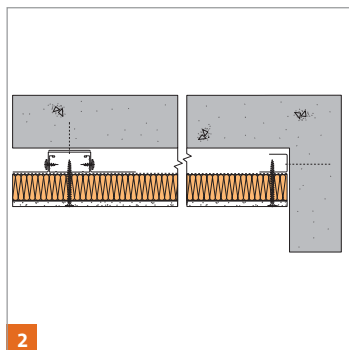
- Fixtures - ensure that the fixing device selected is long enough to bridge the framing cavity and give adequate penetration into the soffit
- **Deflection** - metal framing - normal 600mm framing centres will achieve a deflection criteria of $L/360$. Where deflection criteria are more stringent, framing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

Installation

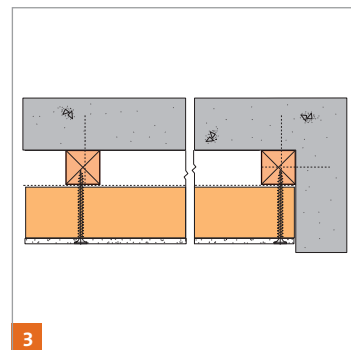


1 Fixing to concrete soffit with metal framing supports

- Locate Gyplyner 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 Gyplyner MF5 Ceiling Section.

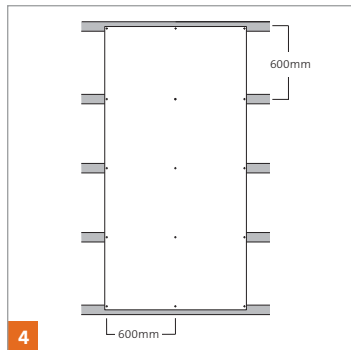


- Where boards are to be fixed to Gyplyner™, locate framing as normal (refer to section 7 - Gyplyner™) using channel and screw centres as for Gyplyner MF5 Ceiling Section previously.



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.