

# FIXING INSTRUCTIONS - PROTECT FRAMEFOIL FR

## GENERAL

Protect FrameFoil FR must not be exposed to continuous working temperatures in excess of 80°C, such as in direct contact with hot pipes, flues or electric heating cables.

No maintenance of Protect FrameFoil FR is necessary once installed but it is important that the surface of the product remains clean during the installation process otherwise the thermal performance may be impaired.

**Protect FrameFoil FR is for use on walls, ceilings and floors in masonry, timber frame construction or steel framing systems (SFS) on the WARM side of the insulation.**

## WALLS AND CEILINGS

1 Roll out Protect FrameFoil FR to the required length. Starting from the bottom and working upwards horizontally, fix into position, either nailing or stapling to studs or battens.

For metal frame construction use self tapping screws with washers.

Fixings should be at max 500 mm vertical and max 600 mm horizontal centres. Typical installation details are shown in figures 1 to 5.

2 All **vertical** joints should coincide with battens, metal or wooden studs or steel channel, and be lapped by at least 100 mm and sealed with Protect FR Reflective Tape (available separately). All **horizontal** laps should be lapped by at least 100 mm and sealed with Protect FR Reflective Tape.

3 Protect FrameFoil FR should be cut and neatly fitted around door and window frames, and trimmed and fitted into corners. All junctions should be sealed with Protect FR Reflective Tape.

4 If necessary, any holes should be cut neatly into the Protect FrameFoil FR to allow for services such as plumbing and electrical wiring to penetrate and any cuts should be subsequently sealed with Protect FR Reflective Tape. Any gaps should be sealed.

5 Ensure that wood preservatives and damp-proofing treatments are fully dried out before installation of Protect FrameFoil FR.

Render or any wet trades should be allowed to dry out before installing Protect FrameFoil FR.

6 When used as a vapour control layer, the membrane must be fixed on the warm side of the insulation, covering all the internal area, including joists, rafters, rails, studs, noggings, window reveals, lintels and sills. All joints should coincide with battens, metal studs or noggings, be lapped by at least 100 mm and sealed in accordance with point 2 above.

7 Ceiling penetrations should be installed in accordance with BS 9250. To achieve the low emissivity benefit of the reflective surface it is important that a minimum 20 mm airspace is achieved adjacent to the foil face of the membrane.

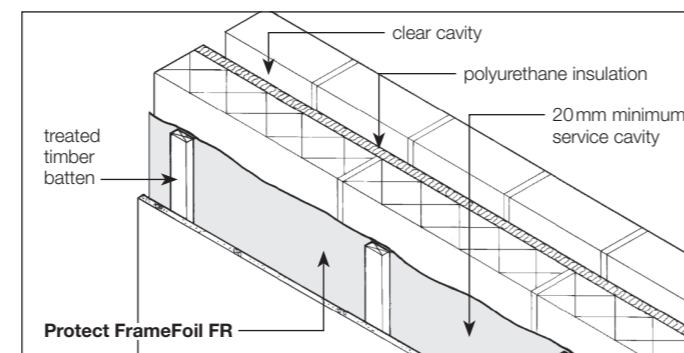


Figure 1. Masonry construction.  
Foil side facing into the airspace.

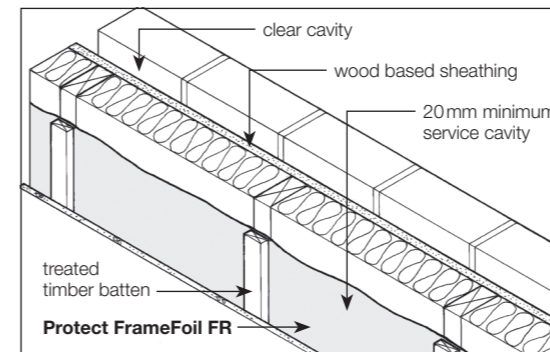


Figure 2. Timber frame construction.  
Foil side facing into the service void airspace.

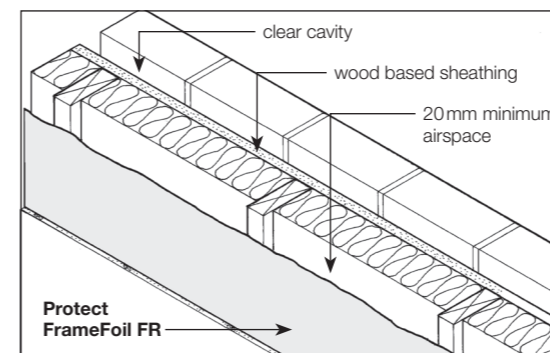


Figure 3. Timber frame construction.  
Foil side facing into the airspace between studs.

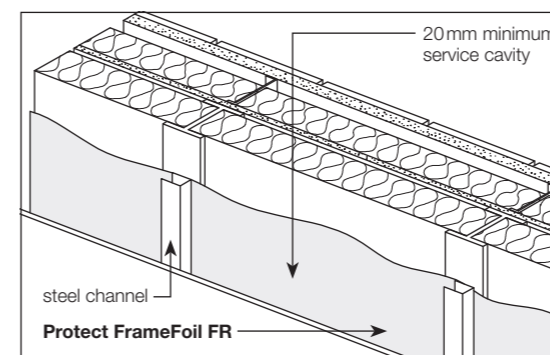


Figure 4. SFS construction.  
Foil side facing into the service void airspace.

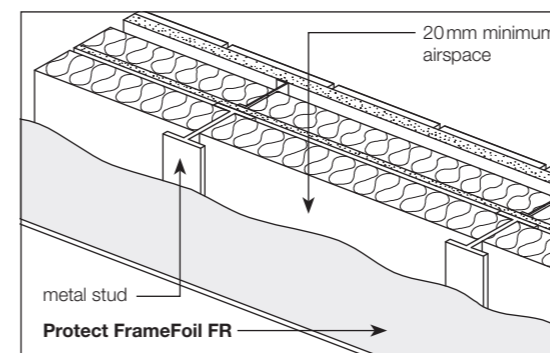


Figure 5. SFS construction.  
Foil side facing into the airspace between metal studs.

## FLOORS

### Solid floors

Protect FrameFoil FR should be laid over the floor with the foil face upwards facing the airspace to ensure the total floor area is covered. In this application, do not tape the laps. Steel or timber battens with a minimum 50 mm depth, should be installed and fixed through the Protect FrameFoil FR into the concrete floor at centres to suit the particular floor type.

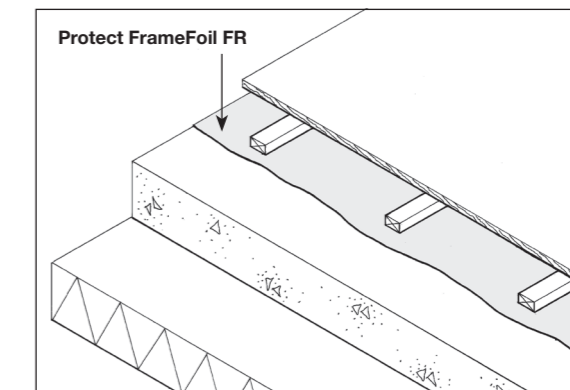


Figure 6. Solid floors.

### Suspended floors

Protect FrameFoil FR should be fixed over the metal or timber floor joists and/or battens allowing an air gap between the product and insulation. The foil side should face the airspace. In this application, do not tape the laps. The flooring is then fitted in the conventional manner.

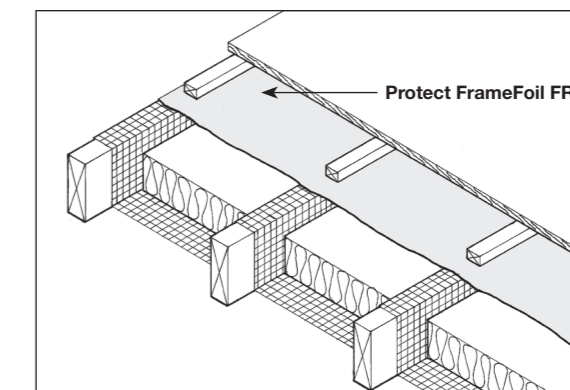
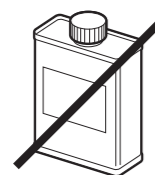


Figure 7. Suspended floors.

Note: In both applications, thermal bridging should be minimised by turning Protect FrameFoil FR up at wall-floor junctions by 75 mm which will be protected by skirting boards or similar. Joints should be lapped by 100 mm and left unsealed.

To achieve the low emissivity benefit of the reflective surface it is important that an airspace of >50 mm is achieved adjacent to the foil face of the membrane.



Do not use in direct contact with organic solvents



For further technical guidance please call +44 (0)161 905 5700 or email [technical@glidevaleprotect.com](mailto:technical@glidevaleprotect.com)

**Other products purchased with this membrane:**  
Protect FR Reflective Tape