

Metal Stud Partition system type – **CasoLine MF**

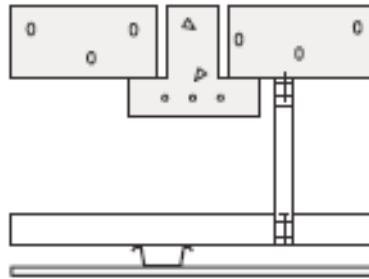
Product Substantiation Report (PSR) reference – **C106017**

**Performance characteristics**

Ceiling Fire Resistance (BS 476):	n/a - Fire resistance determined by concrete structure
Airborne Laboratory Sound Resistance (BS EN 717):	<b>58 R<sub>w</sub>dB</b>
Impact Laboratory Sound Transfer (BS EN 717):	<b>66 L<sub>nw</sub>dB</b>
Ceiling depth below structure (excluding finishes):	<b>&gt;240mm</b>

Performance criteria stated above relates to CasoLine MF suspended ceiling installed below a **concrete floor structure** of following minimum characteristics.

Concrete floor thickness:	<b>150mm (minimum)</b>
Concrete floor density:	<b>90kg/m<sup>3</sup> (minimum)</b>



**Framing components**

Gypframe Ceiling Sections:	<b>Gypframe MF5 Ceiling Section</b>
Ceiling Section installed maximum centres:	<b>450mm</b>
Gypframe Primary Channels:	<b>Gypframe MF7 Primary Channel</b>
Primary Channel installed maximum centres:	<b>1200mm</b>
Gypframe Connecting Clips:	<b>Gypframe MF9 Connecting Clips</b> used to connect MF5's to MF7's at every intersection.
Gypframe Hanging Angle:	<b>Gypframe GA1 Steel Angle</b>
Hanging Angle installed maximum centres:	<b>1200mm</b>
Acoustical sealant:	<b>Gyproc Sealant applied around perimeter of ceiling</b>
Drawing references:	Refer to relevant Architects drawings

**Plasterboard components**

Number of plasterboard layers:	<b>2</b>
Gyproc plasterboards:	
Layer 1 (Inner):	<b>12.5mm Gyproc WallBoard</b>
Layer 2	<b>12.5mm Gyproc WallBoard</b>
Layer 3	n/a

Screw fixings for boarding:	Layer 1 (Inner):	<b>25mm Gyproc Drywall Screws</b>
	Layer 2	<b>35mm Gyproc Drywall Screws</b>
	Layer 3	n/a

- All board joints installed staggered in accordance with Gyproc's current installation recommendations.
- Joints in face layer boards treated in accordance with **Gyproc Paper Joint Tape** method.
- Gyproc DryWall screws installed at 230mm centres within the field of the board and 150mm centres along board ends.
- Gyproc DryWall screws must maintain a minimum 10mm penetration through metal framing components.
- **Gyproc Wafer Head Jack-Point Screws** used to fix Gypframe GA1 Angle to Gypframe MF7 Primary Channels.

### Insulation components

Insulation specification required above ceiling: n/a

### Finishing

2mm **Gyproc Skimcoat** plaster (or **Carlite Finish**) applied in accordance with Gyproc's current recommendations.

Or

1 coat of **Gyproc Drywall Primer** prior to direct decoration (applied as soon as possible after board fixing is completed).

### Qualifications

All materials unless otherwise indicated shall be supplied by Gyproc, and shall be installed in accordance with their current published instructions and generally in accordance with all relevant Standards. Systems installed in full accordance with Gyproc's recommendations comprising of genuine Gyproc and Isover branded components qualify for the SpecSure lifetime system warranty.



### Health & Safety

Ensure that suitable personal protection is worn when handling Gyproc and Isover products/systems. All relevant Health and Safety Legislation and Guidelines must be followed. The relevant Material Safety Data Sheets must be referred to prior to specifying, handling or installing Gyproc & Isover products and systems.

### Installation

For full installation assistance refer to Gyproc Systems Solutions and Installation Guide literature which is available at [www.gyproc.ie](http://www.gyproc.ie). Alternatively contact the Technical Service department at 1800 744480 (RoI) or 0845 3990159 (NI). Full specification, detailing and site support can be offered for your project specific requirements.

### Manufacturer

Gyproc, Unit 4 Kilcarbery Business Park, Nangor Road, Dublin 22, Ireland