

## Metal Stud Partition system type - **ShaftWall**

Product Substantiation Report (PSR) reference – **A306025**

### **Performance characteristics**

Partition Fire Resistance (BS 476):

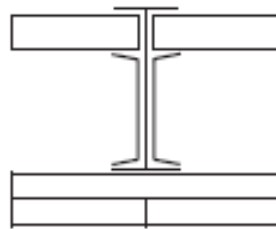
From shaft (CoreBoard) side:	<b>120 minutes</b>
From room (FireLine) side:	<b>90 minutes</b>

Partition Laboratory Sound Resistance (BS EN 717): **46 R<sub>w</sub>dB**

Partition Duty Rating (BS 5234): **Severe**

Maximum Recommended Partition height:  
(Based on limiting deflection of L/240@200Pa) **6700mm**

Partition nominal thickness (excluding finishes): **124mm**



### **Framing components**

Gypframe metal 'I' stud reference: **Gypframe 92I90 'I' Studs**  
Stud centres: **600mm**

Gypframe metal starter stud reference: **Gypframe 92SC90 Starter Studs**

Gypframe head channel reference: **Gypframe 94EDC70 Extra Deep Channel**

Gypframe base channel reference: **Gypframe 94C50 Floor & Ceiling Channel**

Gypframe retaining channel reference: **Gypframe G105 Retaining Channel**

Acoustical sealant: **Gyproc Sealant applied around perimeter to both sides of partition framework**

Deflection Head requirement: As per structural requirements (defined by others)

Drawing references: Refer to relevant Architects drawings

### **Plasterboard components**

Retained between studs on shaft side: **19mm Gyproc CoreBoard**

Number of plasterboard layers room side: **2**  
Gyproc plasterboards: Layer 1 (Inner): **15.0mm Gyproc FireLine**

	Layer 2	<b>15.0mm Gyproc FireLine</b>
	Layer 3	n/a
Screw fixings for boarding:	Layer 1 (Inner):	<b>25mm Gyproc Jack-Point Screws</b>
	Layer 2	<b>41mm Gyproc Jack-Point Screws</b>
	Layer 3	n/a

- All room side board joints installed staggered in accordance with Gyproc's current installation recommendations.
- Vertical Joints in room side face layer boards treated in accordance with **Gyproc Paper Joint Tape** method.
- Horizontal joints in room side face layer boards to be backed by **Gypframe GFS1** Fixing Strap and treated in accordance with **Gyproc Paper Joint Tape** method.
- Horizontal joints in shaft side boards to be fitted with **Gypframe GA3 Steel Angle** and backed with 122mm cut strips of **19mm Gyproc CoreBoard**.
- Gyproc Jack-Point screws installed to room side boards at 300mm centres (200mm at external corners)
- Gyproc Jack-Point screws must maintain a minimum 10mm penetration through metal framing components.

### **Insulation components**

Insulation specification required in stud cavity: **25mm Isover Acoustic Roll**

Isover Acoustic Roll insulation fixed inside head of GypWall stud cavity with lengths of **Gypframe GA1 Angle** or timber battens.

### **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