

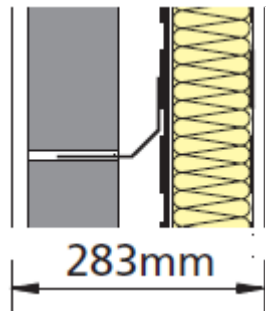
Timber Stud Partition system type – **Timber frame external walls**

Product Substantiation Report (PSR) reference – **A066007**

Performance characteristics

Fire Resistance (BS 476): **60 minutes**

Estimated Laboratory Sound Resistance (BS EN 717): **50-55 R_wdB (100-3150 Hz)**



Framing components

Cladding: **100mm Aggregate block with 20mm render**, with stainless steel wall ties across a nominal 50mm clear cavity through **breather membrane & sheathing board**.

Minimum timber stud size: **89mm x 38mm**
 Stud centres: **600mm**

(Minimum stud size quoted above required to satisfy stated fire resistance performance criteria, larger stud sizes may be specified to meet structural height requirements. Timber stud sizes to satisfy structural partition criteria must be specified by others)
 Additional insulation beyond that listed below to meet thermal requirements must be specified by others.

Acoustical sealant: **Gyproc Sealant applied around perimeter of framework**

Drawing references: Refer to relevant Architects drawings

Plasterboard components

Number of plasterboard layers:	2						
Gyproc plasterboards:	<table border="0"> <tr> <td>Layer 1 (Inner):</td> <td>12.5mm Gyproc Wallboard</td> </tr> <tr> <td>Layer 2</td> <td>12.5mm Gyproc Wallboard Duplex</td> </tr> <tr> <td>Layer 3</td> <td>n/a</td> </tr> </table>	Layer 1 (Inner):	12.5mm Gyproc Wallboard	Layer 2	12.5mm Gyproc Wallboard Duplex	Layer 3	n/a
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Layer 3	n/a						
Screw fixings for boarding:	<table border="0"> <tr> <td>Layer 1 (Inner):</td> <td>40mm Gyproc Drywall Screws</td> </tr> <tr> <td>Layer 2</td> <td>50mm Gyproc Drywall Screws</td> </tr> <tr> <td>Layer 3</td> <td>n/a</td> </tr> </table>	Layer 1 (Inner):	40mm Gyproc Drywall Screws	Layer 2	50mm Gyproc Drywall Screws	Layer 3	n/a
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Layer 2	50mm Gyproc Drywall Screws						
Layer 3	n/a						

- All board joints installed staggered in accordance with Gyproc’s current installation recommendations.

- Vertical Joints in face layer boards treated in accordance with **Gyproc Paper Joint Tape** method.
- Horizontal joints in face layer boards to be backed with horizontal timber noggings or Gypframe GFS1 Fixing Strap and treated in accordance with **Gyproc Paper Joint Tape** method.
- Gyproc Drywall screws installed at 300mm centres (200mm at external corners)
- Gyproc Drywall screws must maintain a minimum 25mm penetration into timber framing components.

Insulation components

Insulation specification required in stud cavity: 100mm Isover Metac

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. 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