

Fire attack from either side / Non loadbearing



|              |                      |  |
|--------------|----------------------|--|
| Fire Rating  | FRL                  | -/60/60<br>-/120/120<br>-/300/300 (Please consult Promat)                      |
|              | STANDARD             | BS476: Part 22: 1987<br>AS1530: Part 4: 2005                                   |
|              | APPROVAL             | BRE CC86480A (for -/60/60)<br>BRE CC224953 (for -/120/120)<br>BRE CC81584A     |
| Acoustic     | # STC                | 35dB (for -/60/60)<br>36dB (for -/120/120)                                     |
|              | # R <sub>w</sub>     | 35dB (for -/60/60)<br>37dB (for -/120/120)                                     |
|              | STANDARD             | ISO140: Part 3: 1996<br>ISO717: Part 1: 1996                                   |
|              | PREDICTED ASSESSMENT | Marshall Day<br>18th Oct 2006  |
| Construction | MAXIMUM HEIGHT       | 3000mm   |
|              | MAXIMUM LENGTH       | Unlimited  |
|              | PARTITION THICKNESS  | Nominal 35mm (for -/60/60)<br>Nominal 50mm (for -/120/120)                     |
|              | PARTITION MASS       | 37.18kg/m <sup>2</sup> (for -/60/60)<br>52.52kg/m <sup>2</sup> (for -/120/120) |

# Margin of error is generally within ±3dB.

### TECHNICAL DATA

- 1 For FRL of -/60/60  
Minimum 35mm thick PROMATECT®-H board laminated from 20mm + 15mm of thicknesses  
  
For FRL of -/120/120  
50mm thick PROMATECT®-H board laminated from 2 x 25mm of thicknesses
- 2 Galvanised steel perimeter angle 25mm x 30mm x 0.8mm thick
- 3 40mm x M6 masonry anchors at maximum 500mm centres
- 4 Self-tapping screws, types and fixings in accordance with system specifications.
- 5 Laminating stitching screws, types and fixings around the steel perimeter angle and down the centre of each board in accordance with system specifications.

### System Specification

Walls are to be constructed using 2 layers of PROMATECT®-H matrix engineered mineral boards all in accordance with the Architectural Specification in the manufacturer's handbook. Relevant constructions are to be selected according to the required FRL of (.../.../...). All printed installation details are to be followed to ensure approval to BS476: Part 22 and AS1530: Part 4. All work to be certified by installer in an approved manner.

Non loadbearing



TECHNICAL DATA

- 1** 2 layers of PROMATECT®-H board, stagger the joints by at least 350mm. When using boards with different thickness, fix the thicker board first.

For FRL of -/60/60 1 layer each of 15mm and 20mm thick  
For FRL of -/120/120 2 layers of 25mm thick each

- 2** Steel perimeter angle  
For FRL of -/60/60 40mm x 40mm x 1mm thick  
For FRL of -/120/120 50mm x 50mm x 1mm thick

- 3** 40mm x M6 masonry anchors at nominal 500mm centres

- 4** Self-tapping screws fixed to steel perimeter angle  
For FRL of -/60/60 30mm x No.8 type at 200mm centres  
For FRL of -/120/120 30mm x No.8 type at 200mm centres

- 5** Laminating stitching screws of appropriate length at maximum 300mm centres

Once 1st layer of board is screwed to the perimeter angles, all subsequent layers are  
a) fixed to the perimeter angle and;  
b) stitched to the proceeding layers of boards.

See page 8 for wall connection details.