

## Fire attack from both sides / Non loadbearing



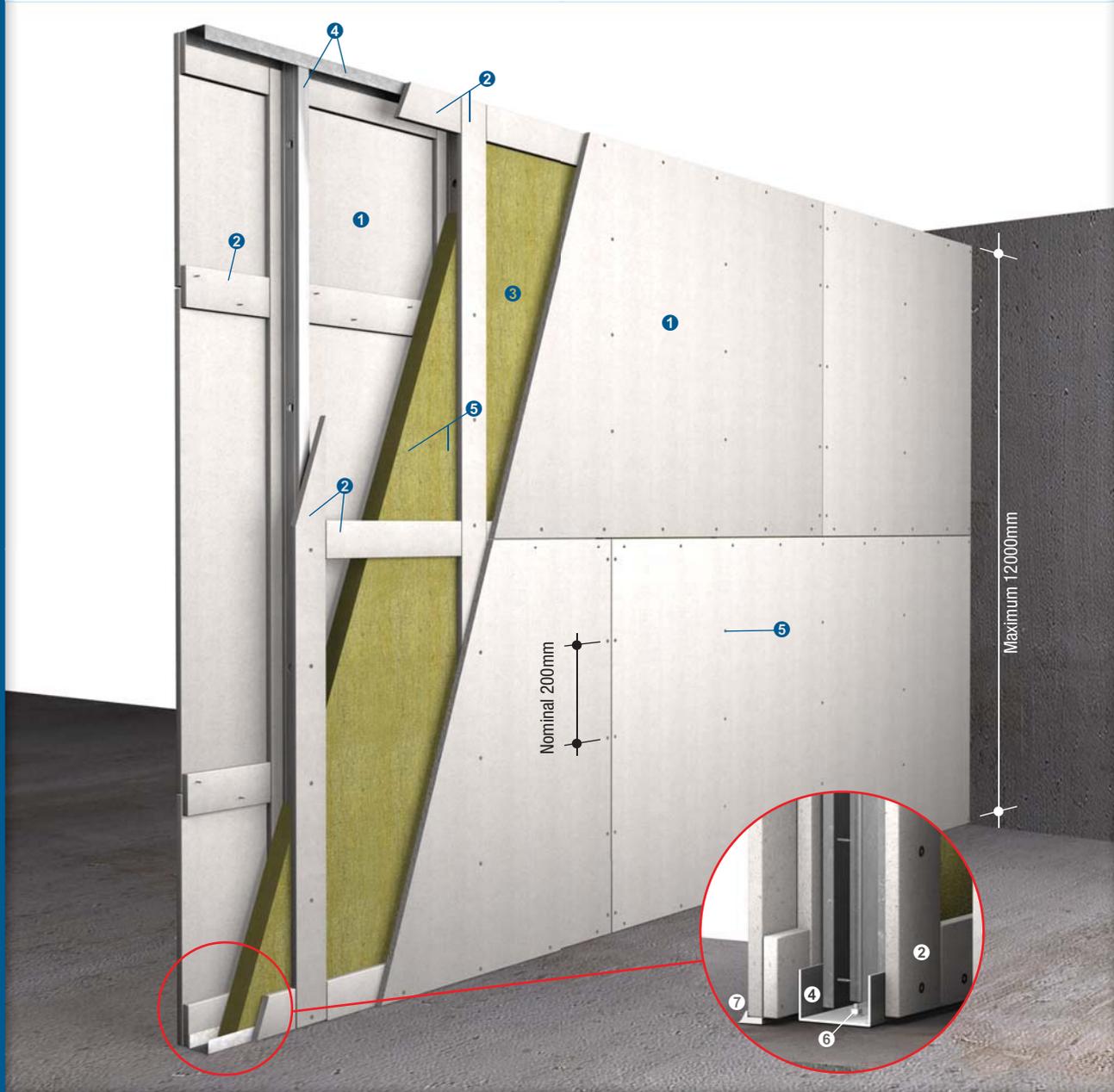
Fire resistance	FRL	-/60/60 -/120/120 -/240/120
	STANDARD	BS476: Part 22: 1987 AS1530: Part 4: 2005
	APPROVAL	WF177939 WARRES 38435 WRCSI 23478 PSB 54S053839/A/MW
Acoustic	# STC	38dB (-/60/60) (-/120/120) 43dB (-/240/120)
	# R <sub>w</sub>	40dB (-/60/60) (-/120/120) 43dB (-/240/120)
	STANDARD	ISO140: Part 3: 1996 ISO717: Part 1: 1996
	PREDICTED ASSESSMENT	Marshall Day 18th October 2006
Construction	MAXIMUM HEIGHT*	12000mm
	MAXIMUM LENGTH	Unlimited
	PARTITION THICKNESS	Nominal 86mm (-/60/60) Nominal 86mm (-/120/120) Nominal 111mm (-/240/120)
	PARTITION MASS*	From 30.25kg/m <sup>2</sup> (-/60/60) From 31.91kg/m <sup>2</sup> (-/120/120) From 36.54kg/m <sup>2</sup> (-/240/120)

# Margin of error is generally within  $\pm 3$ dB

\* Details for walls above 3000mm high are available on request

- ❶ 9mm thick PROMATECT®-H board at each side of the partition
- ❷ 100mm x 9mm thick PROMATECT®-H cover strips, fixed to steel studs using 25mm long self-tapping screws at nominal 500mm centres
- ❸ Mineral wool infill to cavity between boards (see page 30 for different fire resistance requirements)
- ❹ Galvanised steel studs, measurements in accordance with Studs Tables 1~2 on pages 33 and 34 (allow appropriate expansion at top horizontal track, no allowance at this track for loadbearing purposes)
- ❺ 32mm long self-tapping screws at nominal 200mm centres
- ❻ 40mm long M6 masonry anchors at nominal 500mm centres
- ❼ Caulk all perimeter gaps with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance and/or acoustic performance

## Horizontal sheeting with strip joint (single layer) / Non loadbearing



- ❶ 9mm thick PROMATECT®-H board at each side of the partition
- ❷ 100mm x 9mm thick PROMATECT®-H cover strips, fixed to steel studs using 25mm long self-tapping screws at nominal 500mm centres
- ❸ Mineral wool:  
One layer of 50mm x 60kg/m<sup>3</sup>, 60mm x 40kg/m<sup>3</sup> or 80mm x 30kg/m<sup>3</sup> mineral wool for up to -/60/60 fire resistance  
One layer of 50mm x 150kg/m<sup>3</sup> or 75mm x 100kg/m<sup>3</sup> for up to -/120/120 fire resistance  
One layer of 75mm x 100kg/m<sup>3</sup> or 2 layers of 40mm + 30mm x 100kg/m<sup>3</sup> for up to -/240/120 fire resistance
- ❹ Galvanised steel studs, measurements in accordance with Studs Tables 1~2 on page 33 and 34 (allow appropriate expansion at top horizontal track, no allowance at this track for loadbearing purposes)
- ❺ 32mm long self-tapping screws at nominal 200mm centres
- ❻ 40mm long M6 masonry anchors at nominal 500mm centres
- ❼ Caulk all perimeter gaps with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance and/or acoustic performance  
See page 5 for bottom and top track fixings; pages 9 to 13 for details of wall head, wall base, wall junction and wall movement joints