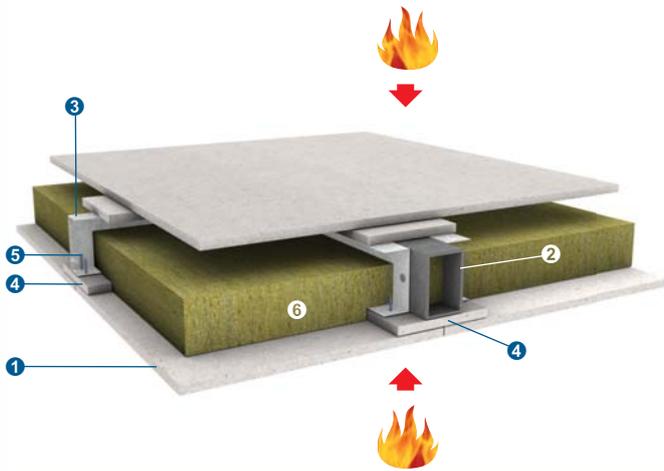
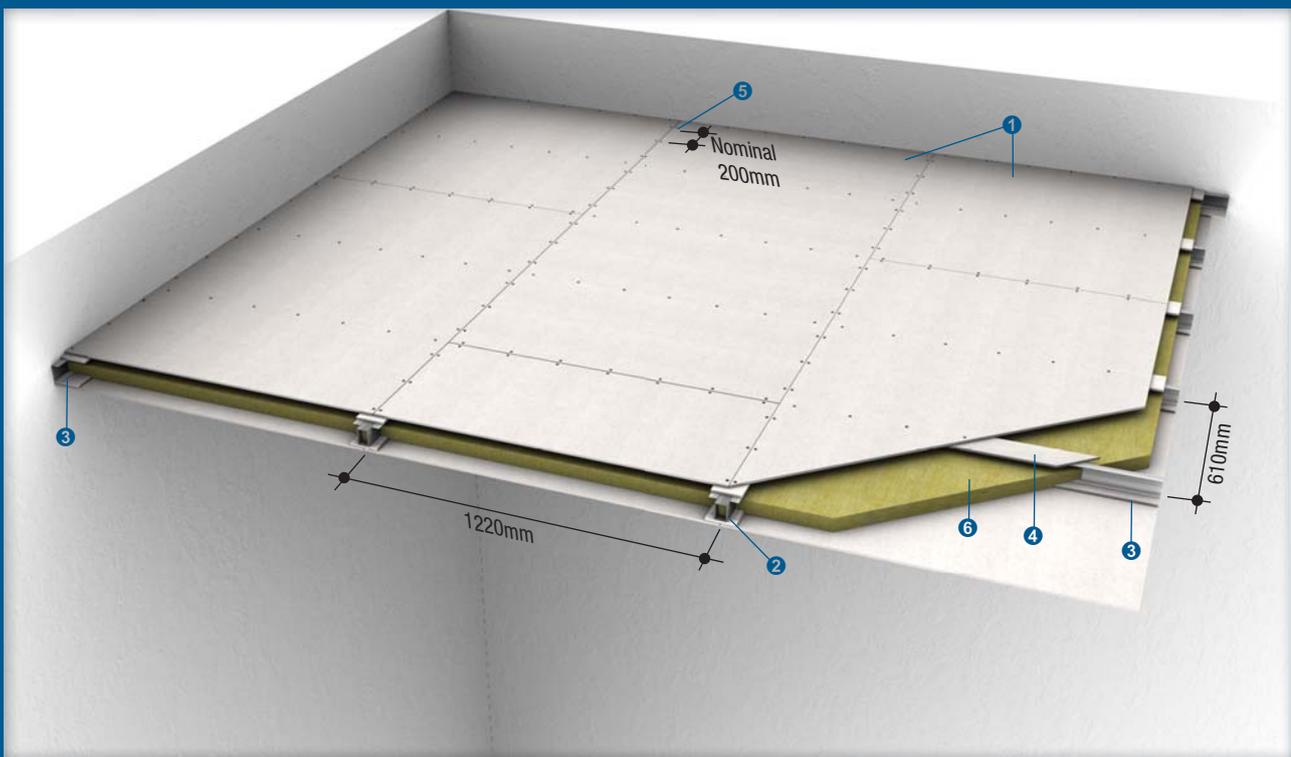


Fire attack from above and below / Non loadbearing



Fire Resistance	FRL	-/60/60 -/120/120
	STANDARD	BS 476: Part 22: 1987 AS 1530: Part 4: 2005
	APPROVAL	BRE CC 90656A WF 174649
Acoustic	# STC # R _w	From 44dB to 50dB From 43dB to 50dB
	STANDARD	ISO 140: Part 3: 1996 ISO 717: Part 1: 1996
	PREDICTED ASSESSMENT	Marshall Day 16th Aug 2007
Construction	CEILING THICKNESS	From 96mm
	CEILING MASS	From 27kg/m ² (for -/60/60) From 33kg/m ² (for -/120/20)

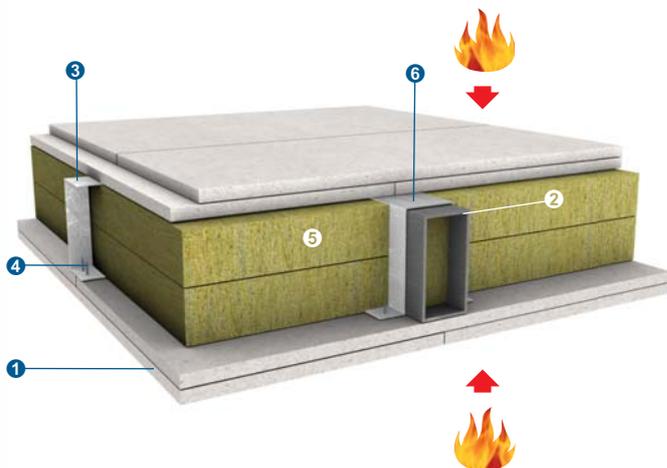
Margin of error is generally within ± 3 dB, depending on cavity depth



- ❶ PROMATECT®-H board 9mm thick to each side
- ❷ Steel joist at nominal 1220mm centres. See Table 1 on page 21 for ceiling spans from 2500mm to 6000mm
- ❸ Steel channel, minimum 0.6mm thick with flanges at least 32mm thick, at nominal 610mm centres. Depth of channel to suit depth of main joist
- ❹ PROMATECT®-H cover strip 100mm wide x 9mm thick to each side of steel framework
- ❺ 38mm self-tapping screws at nominal 200mm centres to secure board to steel channel
- ❻ Mineral wool
For FRL of -/60/60 50mm x 40kg/m³
For FRL of -/120/120 80mm x 100kg/m³

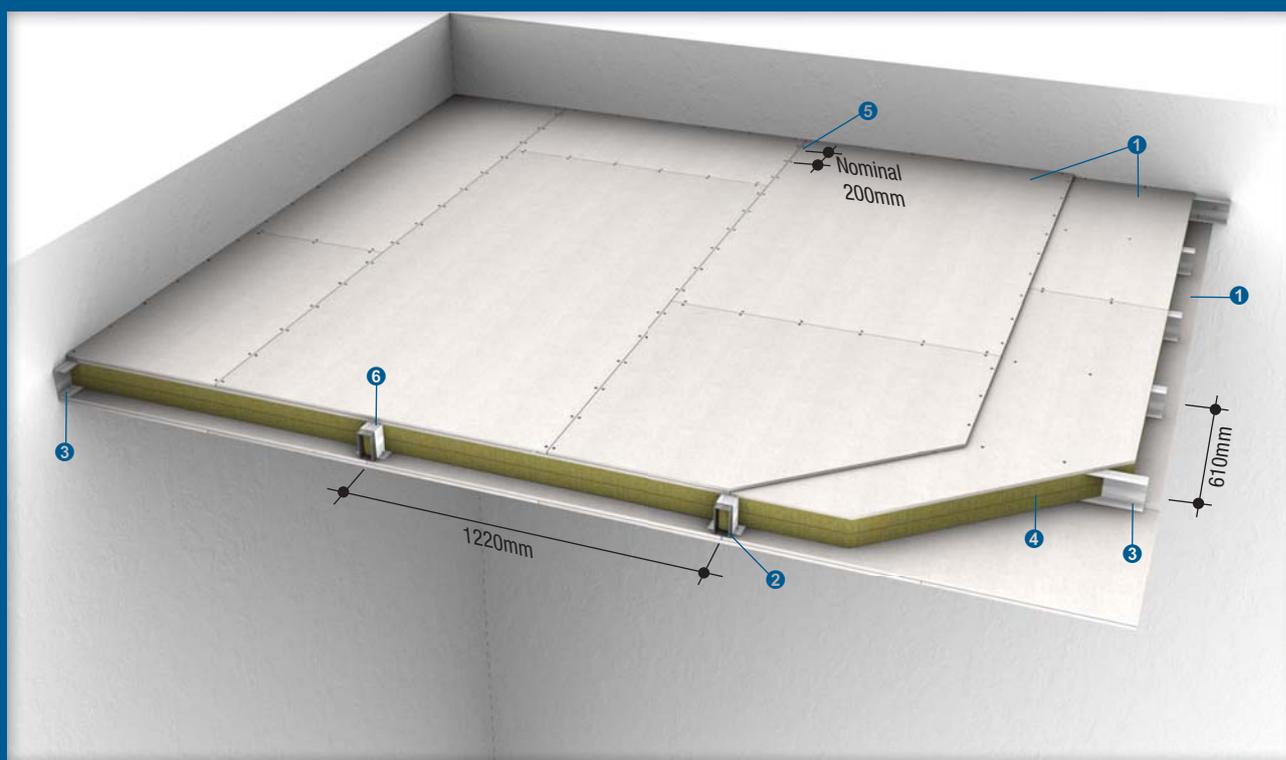
Please refer to page 18 for alternative framing construction and pages 5 to 7 for details of perimeter and control joints

Fire attack from above and below / Non loadbearing



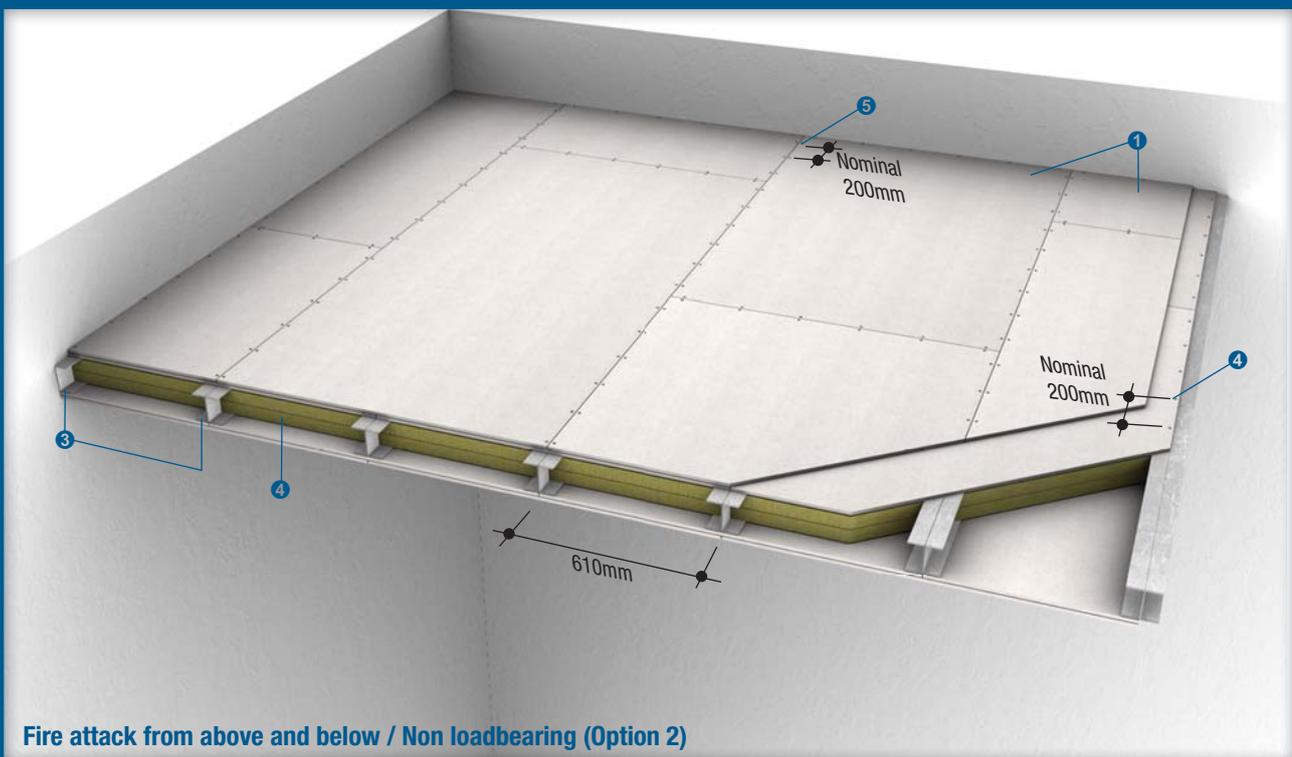
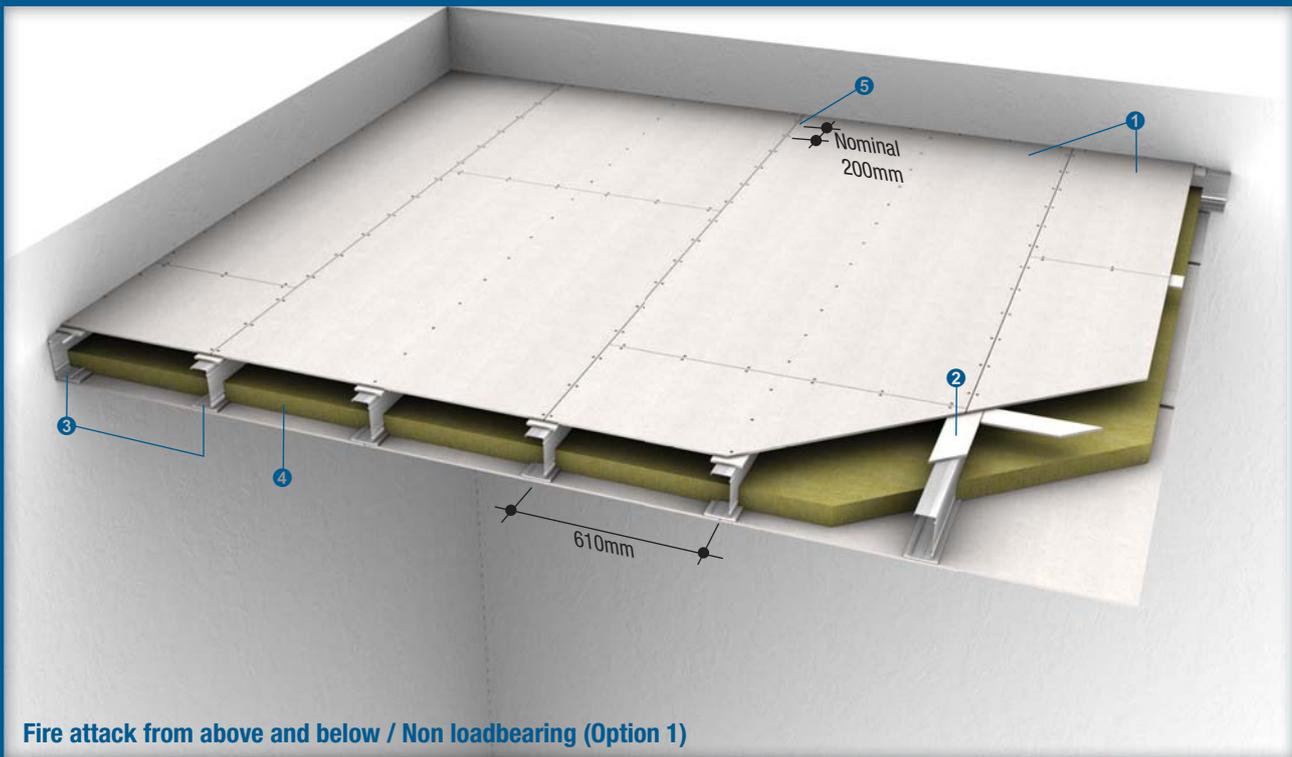
Fire Resistance	FRL	-/240/240
	STANDARD	BS 476: Part 22: 1987 AS 1530: Part 4: 2005
	APPROVAL	WF 174649 CSIRO FSH1126 WARRES 58350
Acoustic	# STC # R _w	From 56dB to 59dB From 57dB to 60dB
	STANDARD	ISO 140: Part 3: 1996 ISO 717: Part 1: 1996
	PREDICTED ASSESSMENT	Marshall Day 16th Aug 2007
Construction	CEILING THICKNESS	From 148mm
	CEILING MASS	From 69.5kg/m ²

Margin of error is generally within ±3dB



- 1 Two layers of PROMATECT®-H board, each 12mm thick to each side with joints staggered at least 500mm between layers
- 2 Steel joist at nominal 1220mm centres. See Table 2 on page 22 for ceiling spans from 3000mm to 6000mm
- 3 Steel cross channels 100mm x 50mm x 1.2mm thick at nominal 610mm centres. For ceiling spans larger than 3000mm, depth of channel to suit main joist depth
- 4 25mm self-tapping screws to fix inner layer at 300mm centres, and 38mm self-tapping screws to fix outer layer at 200mm centres
- 5 Two layers of mineral wool 50mm x 100kg/m³ each
- 6 Steel top hat sections, minimum 1.2mm thick, with flanges at least 30mm wide. Top hat sections need not be continuous

Please refer to page 18 for alternative framing construction and pages 5 to 7 for details of perimeter and control joints



- ❶ PROMATECT®-H board, number of layer and thickness in accordance with system specifications on page 16 or 17
- ❷ PROMATECT®-H cover strip 100mm wide x 9mm thick to each side of steel framework
- ❸ Steel channel at nominal 610mm centres, size in accordance with system specifications on page 16 or 17
- ❹ Mineral wool, thickness and density in accordance with system specifications on page 16 or 17
- ❺ 38mm self-tapping screws at nominal 200mm centres to secure board to steel channel