



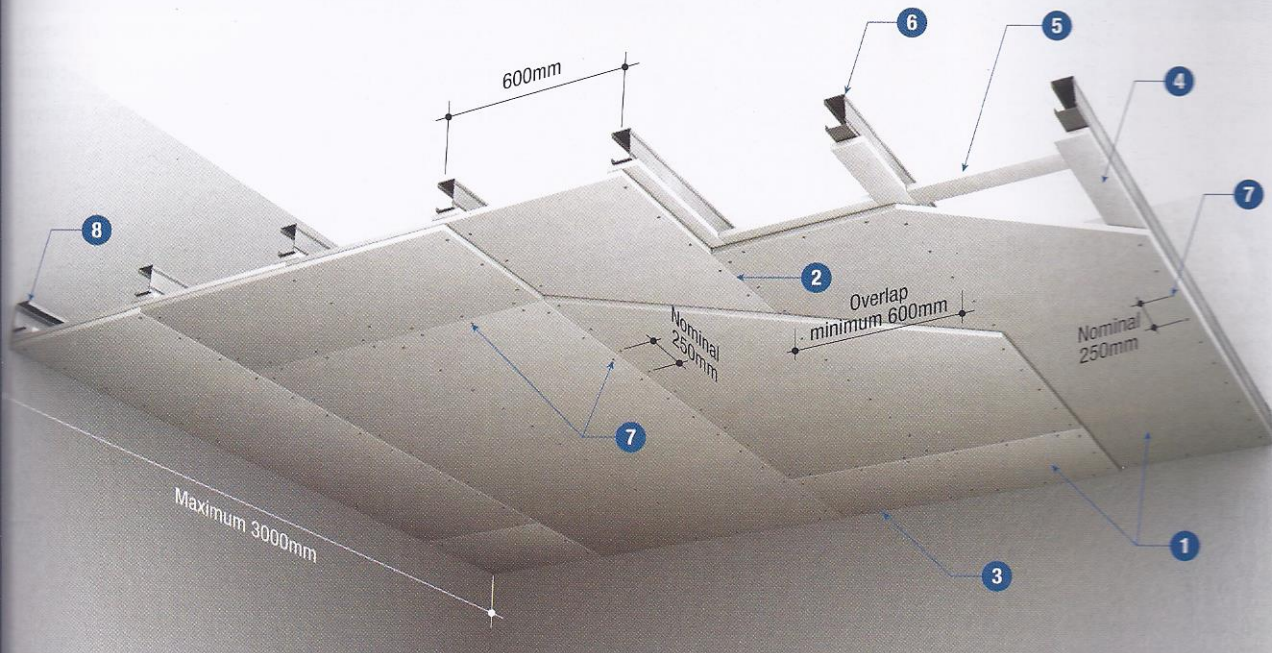
### type 2 – Fire attack from below / Non loadbearing



<b>Fire Rating</b>	FRL	-/120/120
	STANDARD	AS1530: Part 4: 2005
	APPROVAL	BRE: CC 232157A
<b>Acoustic</b>	# STC	36dB
	# R <sub>w</sub>	36dB
	STANDARD	ISO140: Part 3: 1996 ISO717: Part 1: 1996
<b>PREDICTED ASSESSMENT</b>	Marshall Day 16th Aug 2007	
<b>Construction</b>	MAXIMUM SPAN	3000mm
	CEILING THICKNESS	From 150mm
	CEILING MASS	From 39kg/m <sup>2</sup>

# Margin of error is generally within ±3dB.

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### TECHNICAL DATA

- 2 layers of PROMATECT® 100 board 20mm thick each
- All longitudinal board joints must be coincident with the steel framework, longitudinal board joints between the 2 layers must be staggered by 600mm
- Gap at perimeter to be caulked with PROMASEAL® AN Acrylic Sealant
- 1 layer of PROMATECT® 100 cover strip 85mm x 20mm thick
- 1 layer of PROMATECT® 100 cover strip 50mm x 20mm thick at transverse joints in the 1st layer

- 6 Steel joist at 600mm centres
- 7 No. 8 steel screws at nominal 250mm centres
  - 32mm long to secure cover strips to steel
  - 50mm long to secure 1st layer board to steel
  - 72mm long to secure 2nd layer board to steel
  - 35mm long laminating screws to stitch transverse joints in 2nd layer board to 1st layer board
- 8 Steel wall channel

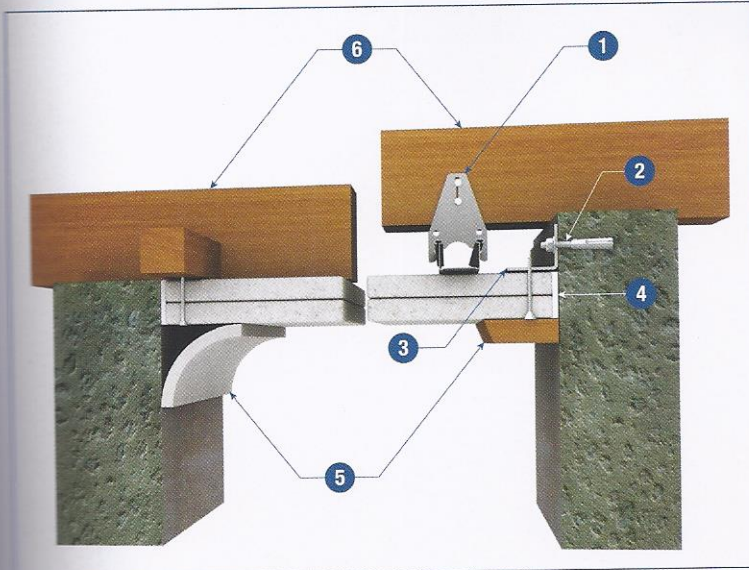
Please refer to **pages 212 to 214** for perimeter details and control joints.

### Item Specification

Items are to be constructed using 2 layers of 20mm thick PROMATECT® 100 matrix engineered mineral boards all in accordance with the technical Specification in the manufacturer's handbook. Relevant constructions are to be selected according to the required FRL of 120 (fire from below) of the selected elements. All printed installation details are to be followed to ensure approval to AS1530: Part 4. Work to be certified by installer in an approved manner.



Ceiling perimeter to wall intersection (case 3)



### TECHNICAL DATA

Please refer to pages 190 to 197, 204 to 205 and 209 to 211 for applicable system and FRL.

- 1 Concealed grid suspended ceiling system
- 2 50mm x M6 expansion bolts at 500mm centres
- 3 Galvanised steel perimeter angle
- 4 PROMASEAL® AN Acrylic Sealant to maintain the fire and acoustic performance
- 5 Ceiling trim or coving to perimeter
- 6 Timber joists etc

Ceiling perimeter framing at junction with masonry wall (applicable for ceiling span above 3000mm)



### TECHNICAL DATA

Please refer to pages 168 to 174, 177 to 180 and 198 to 203 for applicable system and FRL.

- 1 Steel joists at 600mm or 610mm nominal centres
- 2 Galvanised steel perimeter channel
- 3 Galvanised steel angle bracket 3mm thick
- 4 50mm x M6 expansion bolts at 500mm centres
- 5 2 pieces of M8 bolts at each end of joist
- 6 2 pieces of 60mm x M8 expansion bolts per bracket
- 7 Expansion allowance according to system specification