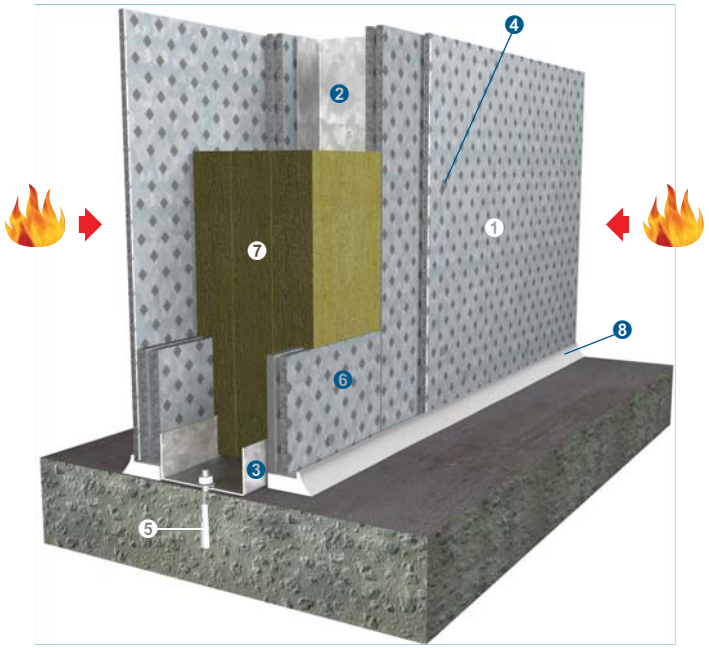
Fire attack from both sides / Non loadbearing



Fire resistance	FRL	-/240/60 -/240/240
	STANDARD	BS476: Part 22: 1987 with with impact resistance to EN1363-2
	APPROVAL	BRE CC 201034 BFTC 97/17 LPC TE92170
Acousttic	# STC	50dB (-/240/60) 53 or [A]57dB (-/240/240)
	# R_w	52dB (-/240/60) 30 (-8) or [A]56 (-9) dB (-/240/240)
	STANDARD	ISO140: Part 3: 1996 ISO717: Part 1: 1996
	PREDICTED ASSESSMENT	Marshall Day 18th October 2006
Construction	MAXIMUM HEIGHT*	5000mm
	MAXIMUM LENGTH	Unlimited
	PARTITION THICKNESS	Nominal 124mm (-/240/60) Nominal 135mm (-/240/240)
	PARTITION MASS*	From 61.17kg/m² (-/240/60) From 95.72kg/m² (-/240/240)

 # Margin of error is generally within ±3dB

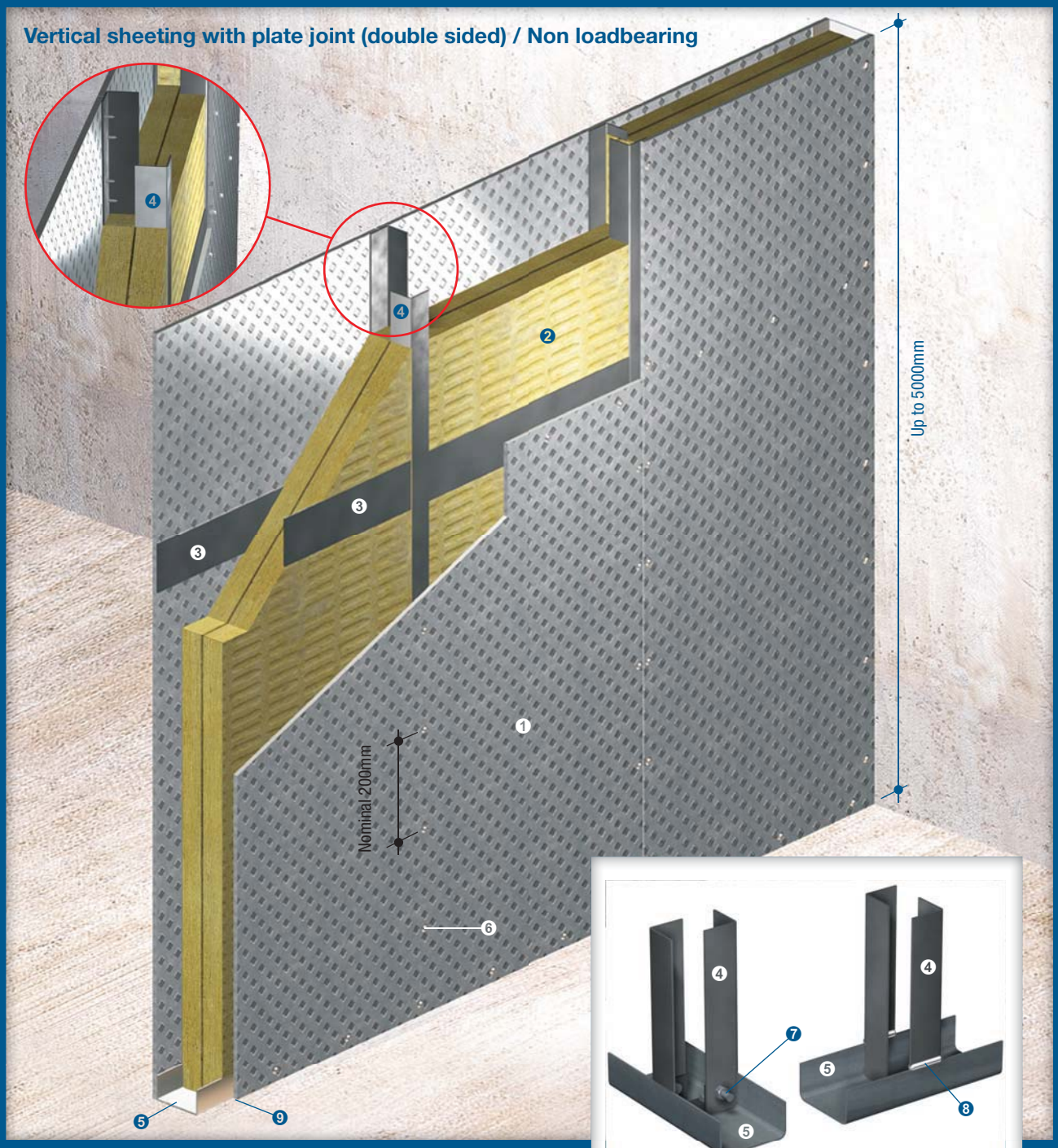
[A] Alternative type

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

1. One layer 9.5mm thick PROMATECT®-S board at each side of the partition
2. Steel channels at nominal 1200mm centres
3. Steel sections forming top and bottom tracks of framework, usually comprised of channels
4. 35mm long M6 Teks screws at nominal 200mm centres
5. 40mm long M10 masonry anchors at nominal 500mm centres
6. Two layers of PROMATECT®-S fillet strip, 100mm x 9.5mm thick at horizontal board joints in accordance with system specifications
7. Mineral wool infill to cavity between boards
8. Caulk all perimeter gaps with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance and/or acoustic performance

NOTE: PROMATECT®-S partitions are generally designed to meet specific project performance requirements including resistance to fire, impact, explosion etc. Please consult Promat Technical Department for details on framing elements etc

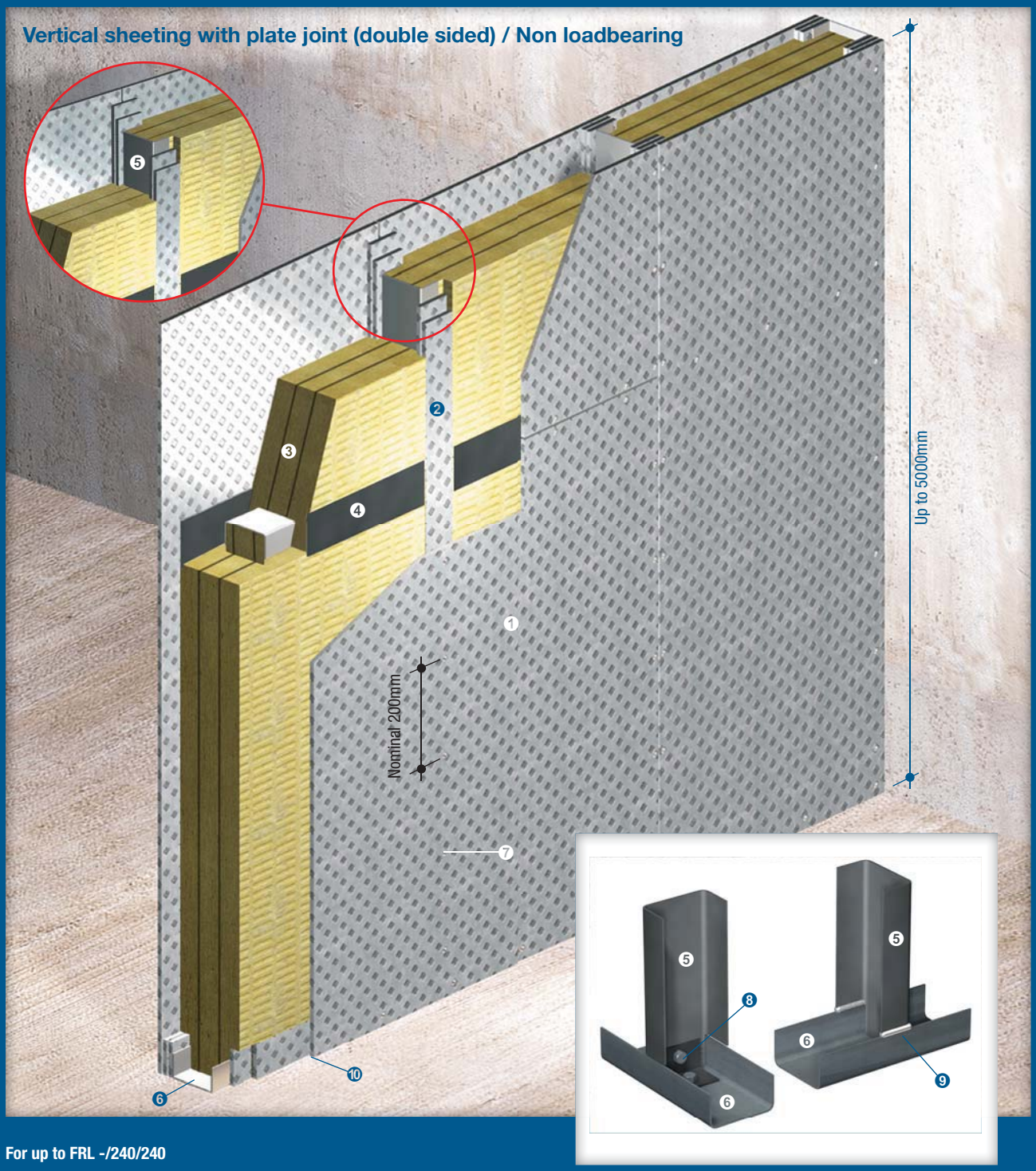
Vertical sheeting with plate joint (double sided) / Non loadbearing



For up to FRL -/240/60

1. One layer 9.5mm thick PROMATECT®-S board at each side of the partition
2. Two layers of mineral wool 50mm x 60kg/m³, with joints between layers staggered minimum 300mm
3. Horizontal framing members comprised of flat steel plates 100mm x 3mm thick at 2500mm centres or at every board horizontal edge
4. Steel sections forming framework, comprised of angles or channels located at 600mm centres or at every board vertical edge. These angles should be offset so that there is a clear space between opposing angles of a minimum 10mm to prevent heat transfer through the construction, these framing centres may vary depending on the size and performance requirements of the system
5. Steel sections forming top and bottom tracks of framework, usually comprised of channels, fixed to substrate using 40mm long M10 masonry anchors at nominal 500mm centres
6. 35mm long M6 Teks screws at nominal 200mm centres
7. Steel angle cleats joining framing sections. Alternatively, joints between framing members can be welded 8
8. Welded joint
9. Caulk all perimeter gaps with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance and/or acoustic performance

Vertical sheeting with plate joint (double sided) / Non loadbearing



For up to FRL -/240/240

1. One layer 9.5mm thick PROMATECT®-S board at each side of the partition
2. Two layers of PROMATECT®-S cover strip, 100mm x 9.5mm thick each at horizontal board joints
3. Three layers of mineral wool, with joints between layers staggered minimum 300mm
4. Horizontal framing members comprised of steel channels at 2500mm centres or at every board horizontal edge. Alternatively use 100mm x 3mm flat steel plate
5. Steel sections forming framework, comprised of channels located at 1200mm centres or at every board vertical edge. These framing centres may vary depending on the size and performance requirements of the system
6. Steel sections forming top and bottom tracks of framework, usually comprised of channels, fixed to substrate using 40mm long M10 masonry anchors at nominal 500mm centres
7. 35mm long M6 Teks screws at nominal 200mm centres
8. Steel angle cleats joining framing sections. Alternatively, joints between framing members can be welded ❾
9. Welded joint
10. Caulk all perimeter gaps with PROMASEAL®-A Acrylic Sealant to achieve the required fire resistance and/or acoustic performance