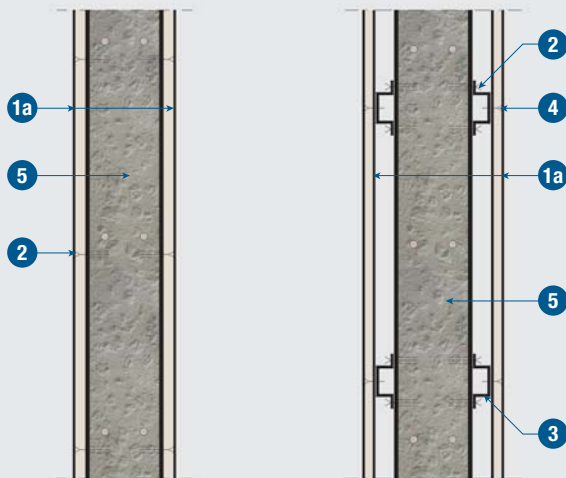


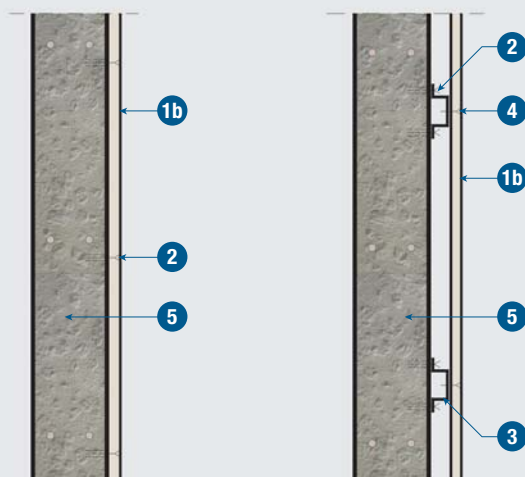
PH 30



**Detail 1** Direct fixing up to 4 hours

**Detail 2** Steel hat fixing up to 2 hours

**Installation Method 1** Board fixed on both sides of wall.

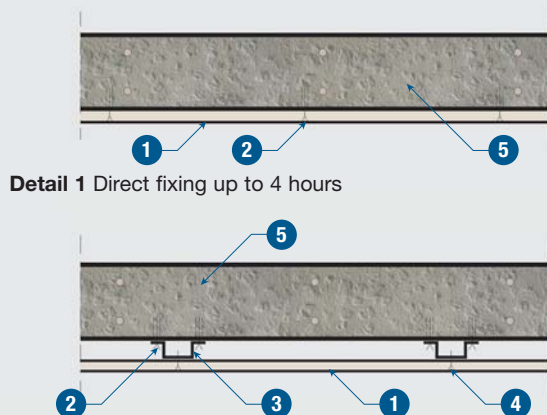


**Detail 1** Direct fixing up to 4 hours

**Detail 2** Steel hat fixing up to 2 hours

**Installation Method 2** Board fixed on only one side of wall.

PH 12



**Detail 1** Direct fixing up to 4 hours

**Detail 2** Steel hat fixing up to 2 hours

**Installation Method 3** Board fixed on only one side of floor.

TECHNICAL DATA

Upgrading fire rating for concrete floor with loadbearing capacity, integrity and insulation to BS 476: Part 21 for loadbearing floor and; integrity and insulation to BS 476: Part 22 for non-loadbearing slab.

1	PROMATECT®-H board thickness	Upgrading from
	9mm on underside	1-hour floor (100mm concrete) to 2-hour floor
	12mm on underside	2-hour floor (125mm concrete) to 4-hour floor
	12mm each side	1-hour wall (100mm concrete) to 4-hour wall

Upgrading fire rating for concrete wall with loadbearing capacity, integrity and insulation to BS 476: Part 21 for loadbearing wall and; integrity and insulation to BS 476: Part 22 for non-loadbearing concrete or brick wall.

1a	PROMATECT®-H board thickness	Upgrading from
	9mm on each side	2-hour wall (75mm concrete or 100mm brick + 13mm gypsum plaster each side or 225mm brick) to 4-hour wall

Board fixed on only one side of wall with fire from either side. This is suitable for walls which are not accessible from the other side.

1b	PROMATECT®-H board thickness	Upgrading from
	12mm on one side only	1-hour brick wall (100mm brick) to 2-hour wall
	15mm on one side only	1-hour wall (75mm concrete) to 2-hour wall
	21mm on one side only	2-hour wall (100mm concrete or 100mm brick + 13mm gypsum plaster each side or 225mm brick) to 4-hour wall
	29mm on one side only	1-hour wall (100mm brick) to 4-hour wall

For loadbearing walls, the concrete cover to the reinforcing at the non-board side shall be a minimum of 30mm for 2-hour wall and 50mm for 4-hour wall.

- 2 M6 anchor bolt at 500mm centres with steel washer 16mm diameter
- 3 Steel hat 1.2mm thick 50mm x 50mm x 50mm at 1220mm x 610mm grid spacing (Only applicable for upgrading to 2 hours)
- 4 M4 self-tapping screws at nominal 200mm centres (Only applicable for upgrading for periods of exposure up to 2 hours)
- 5 Concrete or brick wall

NOTE: The levels of protection and the board thicknesses given apply to exposure to Cellulosic fire curve only. The board thickness given is relevant to the strength of the concrete and the cover to the reinforcement and for some applications may need to be increased. For soffits applications, please refer to the load bearing capacity of the slab.