



HIGH RISE EXTERNAL WALLS FIRE RATING LEVELS (FRL)

Table 1 - External Wall Fire Resistance Levels (FRL)

REQUIREMENT FOR EXTERNAL WALLS					
EXPOSED SIDE CLADDING	BATTEN*	WALL FRAMING	UNEXPOSED SIDE CLADDING	FRL	IMPOSED FIRE DESIGN LOAD (AS 1170.0 CLAUSE 4.2.4)
Min. 50mm thick Nasahi Panel	Steel batten	Min. 70mm deep timber or min. 76mm deep steel stud	10mm thick or greater standard grade plasterboard	120/120/120	4.94kN/stud

* Refer System Components Page 26 for batten options.

Table 2 - Nasahi® External Wall - FRL from both sides

CONSTRUCTION ARRANGEMENT FROM OUTSIDE TO INSIDE	FRL FROM OUTSIDE	INTERNAL LINING/ PLASTERBOARD*	FRL FROM INSIDE
<ul style="list-style-type: none"> Nasahi® Panel (50mm, 62mm or 75mm) Steel battens Min 76mm deep steel stud wall framing Internal plasterboard* 	120/120/120	10mm standard plasterboard	--/--/--
		1 x 13mm Fire Rated plasterboard	30/30/30
		1 x 16mm Fire Rated plasterboard	60/60/60
		2 x 13mm Fire Rated plasterboard	90/90/90
		3 x 13mm Fire Rated plasterboard	120/120/120
<ul style="list-style-type: none"> Nasahi® Panel (50mm, 62mm or 75mm) Steel battens Min.76mm deep steel stud wall framing Internal Lining* 	120/120/120	Nasahi® Panel (50mm, 62mm or 75mm)	120/120/120

Note: For exposure from internal (plasterboard) side: The stud spacing must not exceed 450mm. Steel Stud BMT must not be less than 0.75 mm.

📄 Reference Documents:

- Warringtonfire Australia, Fire Assessment Report No. 38259000 R6.3, Dated 3rd November 2021.
- TC Fire Engineering, Letter of opinion TCFE0004 V6, Dated 22nd March 2021.