

FireCrunch Span Table - Indoor Flooring (Square Edge)

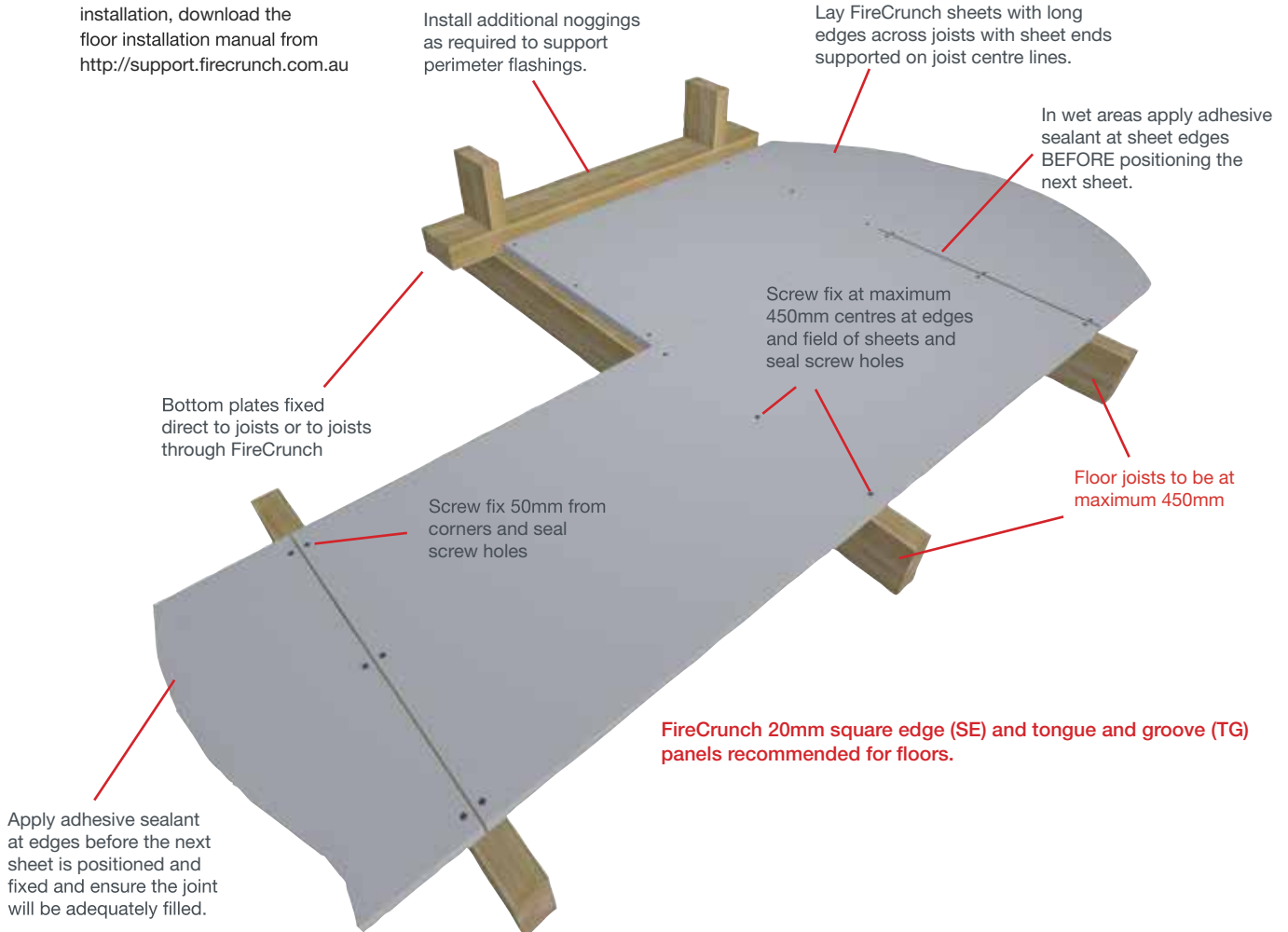
Load deflection performance of FireCrunch 20mm floor sheeting over timber joisting at 450mm centres and unsupported along the edges (spans of 450mm).

Span Test (450 centres)*

Panel No.	Deflection @ 1.8kN per mm	Deflection @ 2.7kN per mm	Load @ 1.0mm Deflection	Load @ 1.5mm Deflection	Load @ 2.25mm Deflection	Load Failure	Effective kN / Newtons
1	1.2	1.9	1.5	2.2	3.1	4.1	4.1
2	1.4	2.5	1.3	1.9	2.5	3.6	3.6

* Load rating data provided by Brick & Mortar Research Laboratory - Melbourne VIC - June 2012

For information on floor installation, download the floor installation manual from <http://support.firecrunch.com.au>



FireCrunch Span Table - Internal/External Flooring/Decking (HD Only)

Load deflection performance of FireCrunch 20mm High Density (HD) floor sheeting over timber joisting at 450mm centres and 600mm centres and unsupported along the edges.

Span Test (450 centres) *

Panel No.	Deflection @ 1.8kN per mm	Deflection @ 2.7kN per mm	Deflection @ 4.5kN per mm	Load @ 1.0mm Deflection	Load @ 1.5mm Deflection	Load @ 2.25mm Deflection	Load Failure	Effective kN / Newtons
1	0.7	1.1	2.0	2.5	3.6	4.8	6.0	6.0
2	0.5	0.8	1.4	3.4	4.8	6.3	-	~ 6.1
3	0.6	1.0	1.8	2.7	3.8	5.2	6.2	6.2

Span Test (600 centres) *

Panel No.	Deflection @ 1.8kN per mm	Deflection @ 2.7kN per mm	Deflection @ 4.5kN per mm	Load @ 1.0mm Deflection	Load @ 1.5mm Deflection	Load @ 3.0mm Deflection	Load Failure	Effective kN / Newtons
1	1.4	2.2	4.7	1.3	1.9	3.4	5.3	5.3
2	1.3	2.0	3.6	1.4	2.1	3.9	-	~ 5.8
3	1.4	2.1	4.4	1.4	2.0	3.6	5.6	5.6

* Load rating data provided by Brick & Mortar Research Laboratory - Melbourne VIC - October 2014

FireCrunch 20mm High Density tongue and groove (TGHD) panels recommended for external floors and decks and for wet area applications.

For information on floor installation, download the floor installation manual from <http://support.firecrunch.com.au>

Install additional noggings as required to support perimeter flashings.

Lay FireCrunch sheets with long edges across joists with sheet ends supported on joist centre lines.

In wet areas apply adhesive sealant at sheet edges BEFORE positioning the next sheet.

Bottom plates fixed direct to joists or to joists through FireCrunch

Screw fix 50mm from corners and seal screw holes

Screw fix at maximum 450mm centres at edges and field of sheets and seal screw holes

Floor joists to be at maximum 600mm

Apply adhesive sealant at edges before the next sheet is positioned and fixed and ensure the joint will be adequately filled.

