



TECHNICAL SPECIFICATION DRAWINGS

TECHNICAL MANUAL INSTALLATION :
SPAN TABLE - INTERNAL & EXTERNAL
FLOORING & DECKING

FRL 60/60/60 to 90/90/90

NATA Labs Australia Fire Tested Systems **AS1530.4** and more

NOTE: FCA ref, is FireCrunch Australia



firecrunch.com.au



TECHNICAL MANUAL INSTALLATION :
**SPAN TABLE - INTERNAL & EXTERNAL
 FLOORING & DECKING
 FLOORING 19mm TG : LOADINGS TO 6.0 kN 450mm**

FireCrunch Span Table - **Internal & External • K-FLOOR • K-DECK**

Load deflection performance of FireCrunch 19mm TG floor boards over Timber joisting at 450mm centre and 600mm centres and unsupported along the edges.

NOTE For 16mm TG K-Deck Use only max 300mm Joist centres)

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

RECOMMENDED FASTENERS

For wet area and exterior applications corrosion proof screws must be used especially when fastening to steel frames. Please view the recommended products on the Firecrunch website for more information

NATA LABS tested Brick and Mortar Melbourne

NOTE: For 19mm (K-Floor) TG, floor joists to be at maximum 600mm centres and when tiling reduce to 450mm centers TG Board ONLY. (For 16mm TG K-Deck Use only max 300mm Joist centres)

Pre seal the boards on front only and before painting use **Pre seal the boards on front only and before painting use Klaas S1 REX Vapour permeable sealer Firecrunch.com.au/recommended-products/**

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

In WET areas seal FCA boards first with Klass S1 vapour permeable primer sealer.

REMOVE THIS INFO ALTOGETHER Bottom plates fixed direct to joists or to joists through FireCrunch 19mm TG K-FLOOR.

Screw fix at 200mm centres and 50mm from, corners and seal screw holes

Screw fix at max 300mm centres in field of sheets and seal c/sunk screw holes with epoxy 2 pack

NOTE: For 16mm TG K-Deck Use only max 300mm Joist centres)

Floor joists to be at maximum 600mm using 19mm TG .If Tiling reduce to 450mm centres

Gun recommended FIRE weather sealant AS/1530.4 to TG grooved edge before the next sheet is positioned.

