

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

FIRE TESTED BY NATA / CSIRO & OTHERS





### FRL 60/60/60 -90/90/90

### 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.

#### Span Test (450 centres) \*

FireCrunch

015

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

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/ 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)

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

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

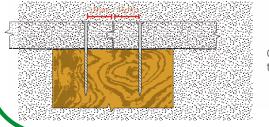
REMOVE THIS INFO ALTGETHER Bottom plates fixed direct to joists or to joists through FireCrunch 19mm TG K-FLOOR.

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

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

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

> 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.

NOTE: DO NOT NAIL FIRECRUNCH PRODUCTS/ VOIDS WARANTY