

PEAKFORM Suprafine 15 Suspension System

Armstrong[®]
CEILING SOLUTIONS

24 NOVEMBER 2023

PEAKFORM SUSPENSION



The PeakForm Range: Where Innovation meets Performance

PeakForm is a comprehensive range of suspended ceiling grid solutions designed to meet most commercial design requirements:

- General Application: Including PRELUDE XL² 24mm and SUPRAFINE XL² 15mm Tee Grid systems.
- Designer Applications: Including the minimalist SILHOUETTE 15 XL² Steel Exposed Slotted Grid.

Axiom Perimeter Solutions

PeakForm Grid Systems are made complete with a Comprehensive range of Axiom Perimeter Solutions, including: Wall angles, Trims, Transitions, Pelmet and Accessories.

PeakForm Grid Profiles

PeakForm is an innovative design for Main Bars and Cross Runners. The taller **PeakForm** profiles are engineered to create a stronger, more stable suspension system making installation both faster and easier.

PeakForm Main Bars feature a firm, quick and easy assembled Main Bar to Main Bar / bulb to-bulb connection.

The staked-on Superlock joiner clip allows for Main Bars to be disconnected and reconnected laterally in low clearance areas or in the middle of a room. Superlock is an industry first staked-on clip for Main Bars which provide tighter, secure bulb-to-bulb connections; connections are confirmed by an audible click.



Thin gauge technology

A lighter carton weight enables easier handling on site, plus the added benefit of the **PeakForm** bulb allows easy cutting of the grid.



Physical detail

All grid sections are made from double-web galvanised steel with a surface finish of baked polyester paint.

Rotary Stitched for strength

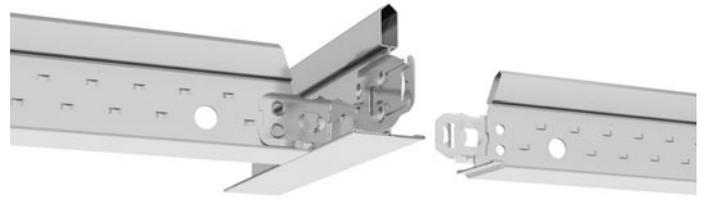
All **PeakForm** components feature a unique “rotary stitched” construction. The two metal layers of the vertical web are mechanically locked together in a sophisticated in-line process. Stitching enhances the torsional resistance and general “feel” of the **PeakForm** components.



PeakForm “click” installation

PeakForm Cross Runners in both 24mm and 15mm widths feature an advanced stab system that locates with an audible “click”, ensuring a solid installation at all times. The “stab” end details are precision stamped from a separate piece of high grade steel providing increased accuracy and speed of installation.

Cross Runners are inserted to the right of each other through the Main Bar slots and easily pushed home.



Sustainability

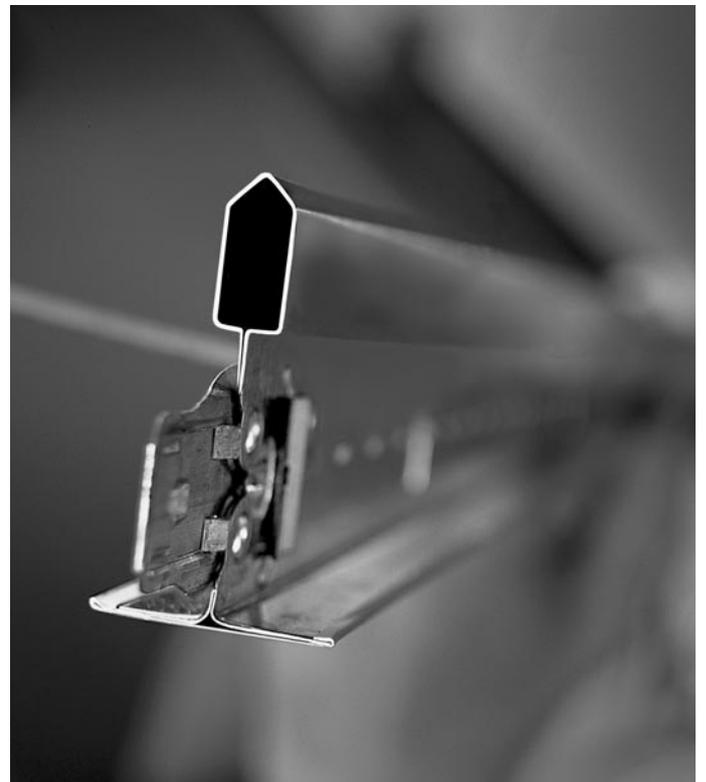
Armstrong **PeakForm** suspension systems contain ~25% recycled content and can be fully recycled at the end of life.

PeakForm grid systems are modular and can be disassembled and reused.

PeakForm suspension systems meet the requirements of Australian Standard AS/NZS 2785:2020 “Suspended Ceilings Design and Installation” and are designed for use with a wide variety of Armstrong ceiling products including: mineral and soft fibre, metal, wood and special solutions.

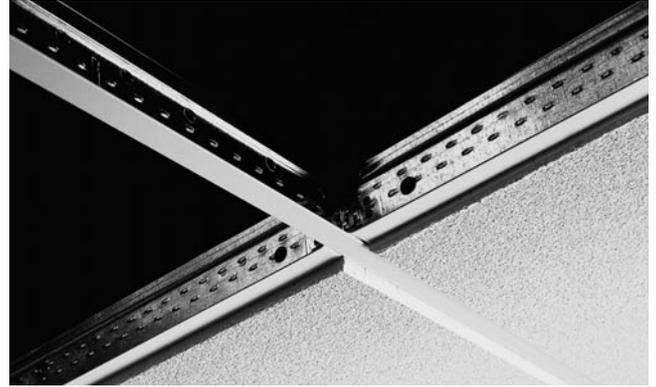
Compliant with Australian & New Zealand Standards

PeakForm suspension systems meet the requirements of AS/NZS 2785:2020 “Suspended Ceilings Design and Installation” and are designed for use with a wide variety of Armstrong ceiling products including: mineral and soft fibre, metal, wood, plasterboard and other special panels.



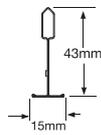
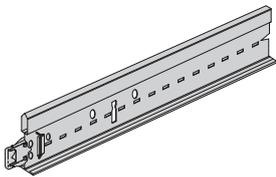
For Seismic Design support please contact your local Armstrong Ceilings office.

PeakForm Suprafine 15 XL²



PeakForm SUPRAFINE 15 XL² suspension system is a refined narrow profile, exposed 15mm "tee" grid, suitable for tegular edge ceiling panels.

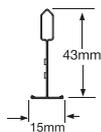
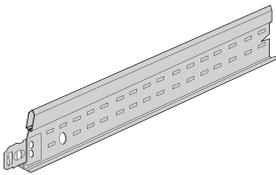
Main Bar: SUPRAFINE 15 XL² with Superlock Clip (bulb-to-bulb connection)



Item Number	Dimensions			Rout Centres mm	Content / Carton		Weight / Carton kg
	length(mm)	height(mm)	width(mm)		pcs	lm	
HBP 75 40 42	3600	43	15	100	20	72	22.50

* Black Pre-painted Capping

Cross Runner: SUPRAFINE 15 XL² (stab system, override)

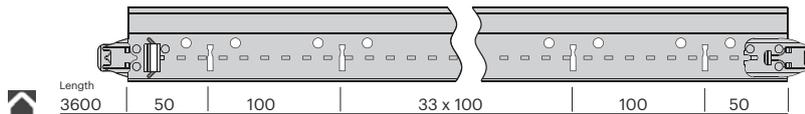


Item Number	Dimensions			Rout Centres mm	Content / Carton		Weight / Carton kg
	length(mm)	height(mm)	width(mm)		pcs	lm	
HBP 75 30 42	1200	43	15	300	60	72	20.70
HBP 75 20 42	600	43	15	-	60	36	10.30

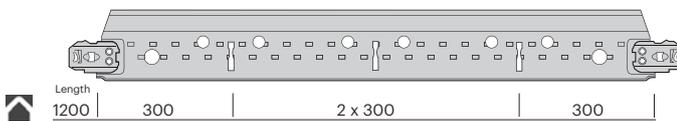
* Black Pre-painted Capping

Section Drawings

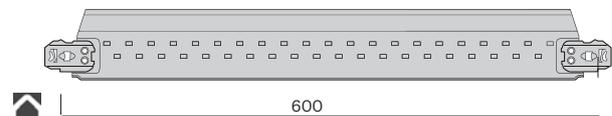
Universal Main Bars SUPRAFINE 15



Cross Runner SUPRAFINE 15 XL²

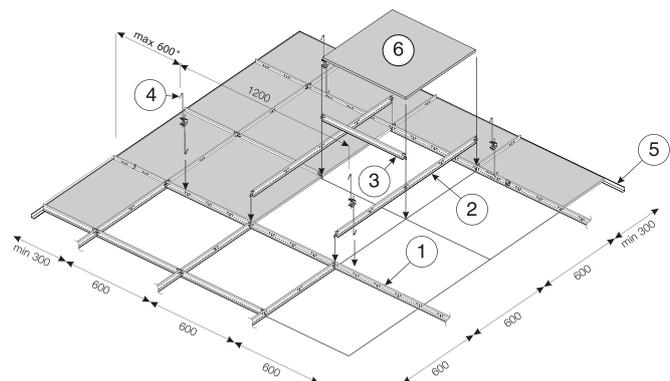


Cross Runner SUPRAFINE 15 XL²



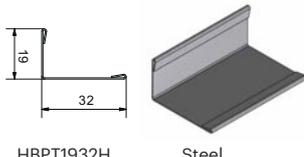
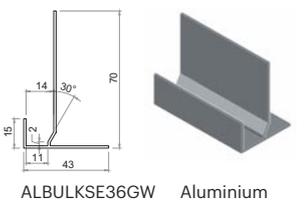
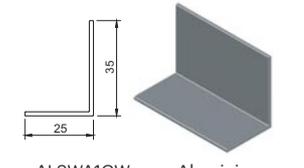
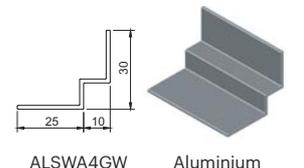
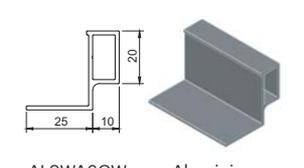
System Drawing and Installation (Typical modules are 1200 x 600mm and 600 x 600mm. Special sizes available upon request.)

Standard lay-in installation of 15mm exposed suspension system for Tegular Edge Panels.

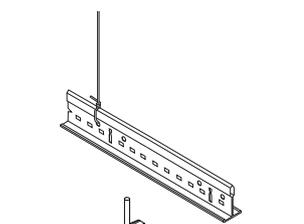
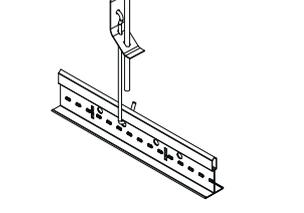
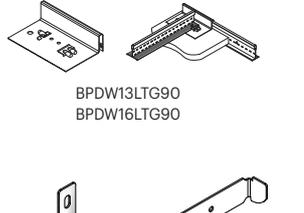
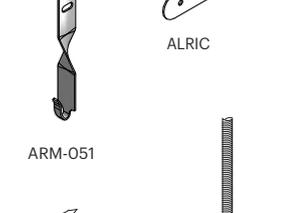
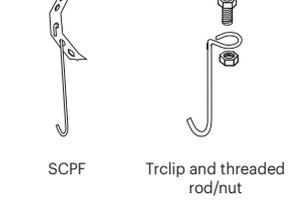
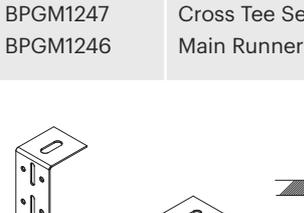
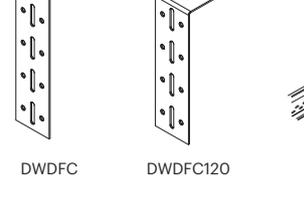
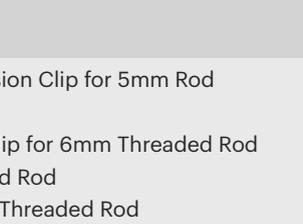
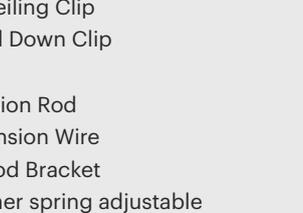
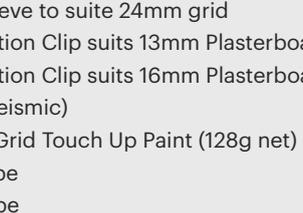
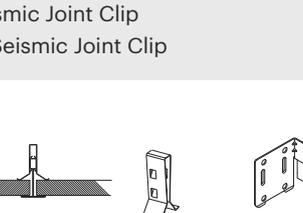
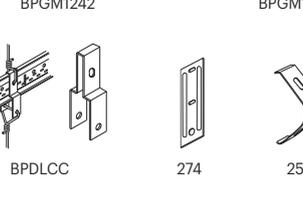
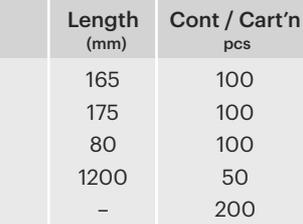
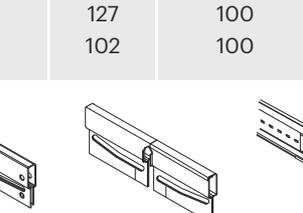
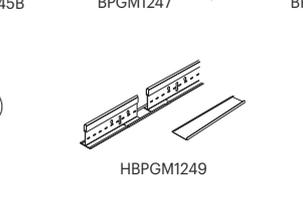


Perimeter Trims and Accessories

Perimeter Trims

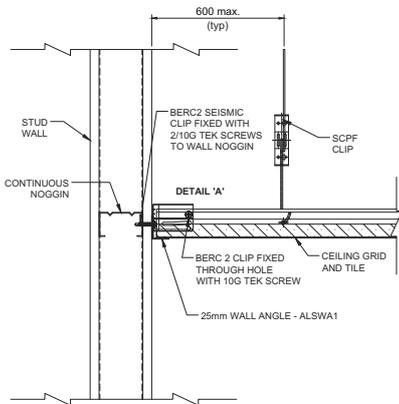
Item Number	Description	Length (mm)	Cont / Cart'n pcs	Wt / Cart'n kg
	Steel Perimeter Trims: Roll Formed and Prepainted			
HBPT1932H	Long Leg Wall Angle	3600	30	21
7800PBL	Wall Angle (Black) 22x22mm	3600	30	20
	Aluminium Perimeter Trims: Extruded and Powdercoated			
ALBULKSE36GW	Bulkhead Trim (suits both 10mm and 13mm Pb)	3600	6	6
ALSWA1GW	Heavy Duty Aluminium Wall Angle	3600	20	17
ALSWA4GW	Heavy Duty Aluminium Shadow Line Wall Angle	3600	20	23
ALSWA6GW	Seismic Aluminium Shadow Line Wall Angle	3600	20	27.5
	ALSWA1GW	Aluminium		
	ALSWA4GW	Aluminium		
	ALSWA6GW	Aluminium		

Suspension & Accessories

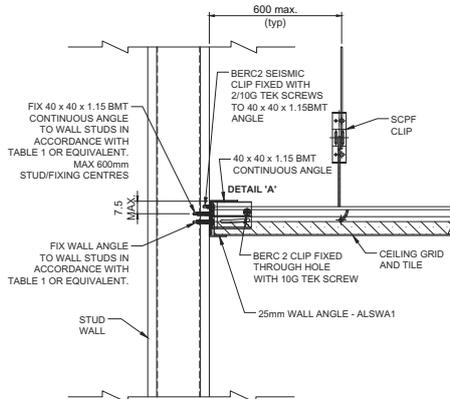
Item Number	Description	Length (mm)	Cont / Cart'n pcs	Wt / Cart'n kg
	SCPF	165	100	2.2
	ARM-051	175	100	2.6
	Trclip	80	100	2.0
	M6 Rod	1200	50	11.0
	M6 Nuts	-	200	0.4
	BPDLC	80	250	5.5
	BPGM1242	-	1000	4.0
	ALRIC	65	100	5.0
	ROD 5mm	4000	40	24.2
	SR2536	3600	160	25.0
	274	80	100	2.1
	254	-	100	0.9
	HBPGM1249	100	100	5.0
	BPDW13LTG90	-	200	11.0
	BPDW16LTG90	-	200	11.0
	BPGM1245B	-	100	4.4
	GPGW	-	6	1.3
	DWDFC120	120	100	5.0
	DWDFC	180	100	6.5
	BPGM1247	127	100	3.1
	BPGM1246	102	100	1.6

Perimeter Solutions

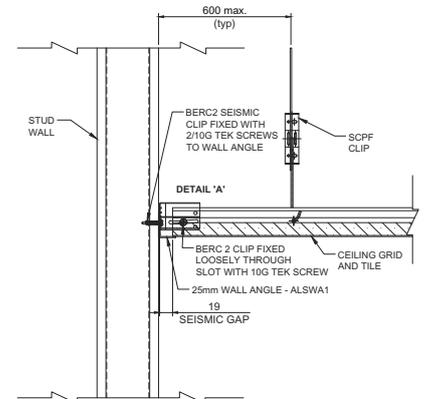
Perimeter Detailing Recommendations



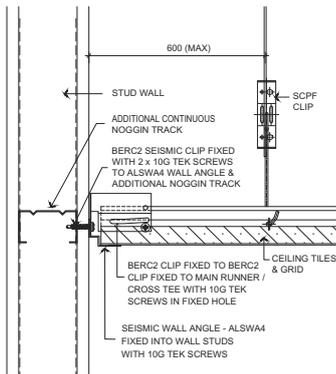
ALSWA1 Wall Angle
Fixed with nogging



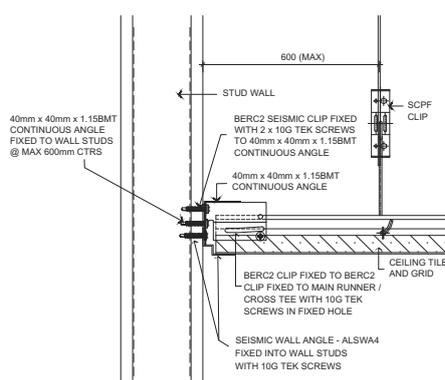
ALSWA1 Wall Angle
Fixed without nogging



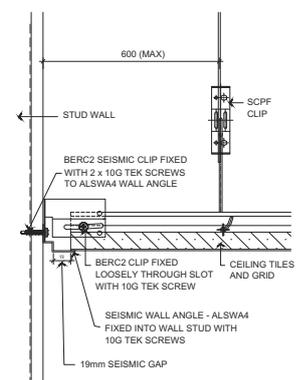
ALSWA1 Wall Angle
Floating / Free



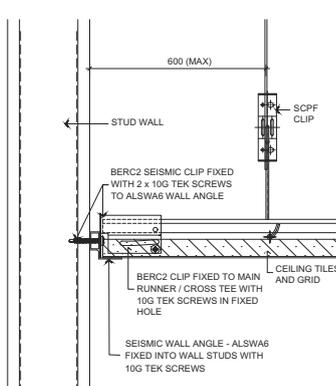
ALSWA4 Wall Angle
Fixed with nogging



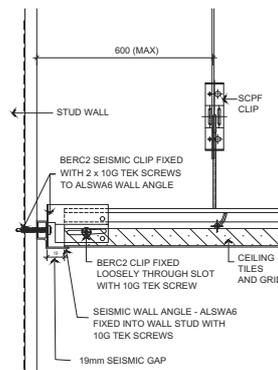
ALSWA4 Wall Angle
Fixed without nogging



ALSWA4 Wall Angle
Floating / Free

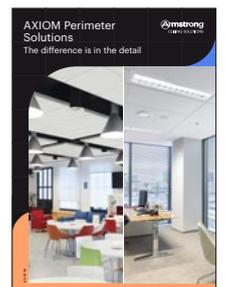
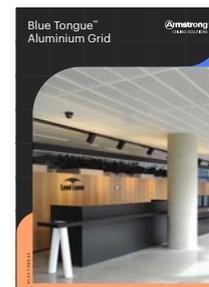


ALSWA6 Wall Angle
Fixed



ALSWA6 Wall Angle
Floating / Free

For information on Blue Tongue Aluminium Grid and Axiom Perimeter / Pelmet systems, refer to the following brochures.



Specifications

Scope

The contractor to furnish all materials, labour and equipment for the erection of the exposed ceiling system where so indicated on the architectural drawings.

Material

Ceiling suspension shall be Armstrong PeakForm two way exposed, hot dipped galvanised steel system; (either): Prelude XL² 24mm Tee, SupraFine XL² 15mm Tee, or Silhouette XL² 15mm Steel Exposed Slotted "shadowline hat" profiles. All materials supplied by Armstrong meet the requirements of Australian Standard AS/NZS 2785:2020 "Suspended Ceilings Design and Installation".

Perimeter Detail

Wall Angles should be fixed to wall at 450mm centres. Exposed ceiling grid members intersecting with the Wall Angle or Shadowline Wall Angle, may either be unfixated, or fastened with a Roll In Clip.

Installation

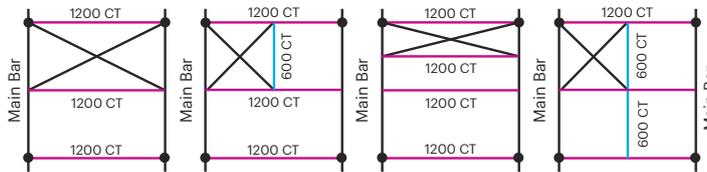
The Main Bar shall be hung with a 5mm galvanised rod and clip system or 2.5mm wire, accurately levelled. Suspension points shall be spaced at 1200mm* centres along the Main Bar. Cross Runners shall intersect and be positively locked to Main Bars. Panel Hold Down Clips to be used as required. Hangers, Main Bars and Cross Runner shall be spaced so as not to exceed the design ceiling load or as may otherwise be required to prevent deflection in excess of 1/360 of the span of the spacers or Main Bars. Where light fittings, air conditioning fixtures etc are to be supported by the grid system, extra hangers may be required. Down bracing to be incorporated in ceiling systems when used externally or adjacent to opening prone to sudden uplift caused by external wind forces.

* For suspension points greater than 1200mm centres along the Main Bar, contact your local Armstrong representative for load ratings.

Suspension & Accessories

Main Bar to Main Bar (Fixture / Panel Orientation)

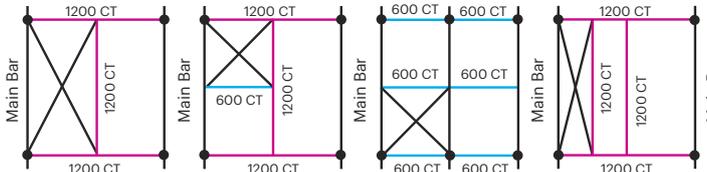
Main Bar
Cross Runner x 600
Cross Runner x 1200



	1200 x 600	600 x 600	1200 x 300	600 x 600
1. FIXTURE* (mm)	1200 x 600	1200 x 1200	1200 x 600	1200 x 600
2. PLANNING MODULE (mm)	1200	1200	1200	1200
3. HANGER SPACING (mm)	1200	1200	1200	1200
Max Fixture Weight (kgs)				
4. PRELUDE 24	21.2 kg	14.0 kg	17.4 kg	14.0 kg
5. SUPRAFINE 15	27.9 kg	13.9 kg	24.9 kg	13.9 kg
6. SILHOUETTE 15	-	-	-	14.2 kg

Cross Runner to Cross Runner (Fixture / Panel Orientation)

Main Bar
Cross Runner x 600
Cross Runner x 1200



	1200 x 600	600 x 600	600 x 600	1200 x 300
1. FIXTURE* (mm)	1200 x 600	1200 x 1200	600 x 600	1200 x 1200
2. PLANNING MODULE (mm)	1200	1200	1200	1200
3. HANGER SPACING (mm)	1200	1200	1200	1200
Max Fixture Weight (kgs)				
4. PRELUDE 24	10.6 kg	10.6 kg	37.5 kg	17.4 kg
5. SUPRAFINE 15	-	-	37.3 kg	-
6. SILHOUETTE 15	-	-	37.9 kg	-

Connection Strength (SEISMIC)

Prelude XL 24mm Main Beam and Cross Runners: Compression / Tension capacity > 100kgs.

Suprafine XL 15mm Main Beam and Cross Runners: Compression capacity: 60kgs / Tension capacity > 100kgs.

Loading Parameters

- Main Bars at 1200mm centres
- Cross Runners 1200mm at 600mm spacing
- Suspension points spaced at 1200mm on Main Bar

*Note: Additional independent support of heavy fixtures should be considered for safety purposes.

The above data is based on 1200mm hanger spacing, board weight of 4.8kg/m², maximum deflection of tees not to exceed 1/360 of the span and suspension system installed in accordance with AS/NZS 2785:2020.

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