

CEILING SYSTEMS

Between us, ideas become reality™

PeakForm
SUSPENSION SYSTEMS

Armstrong

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 XL 24mm and SUPRAFINE XL 15mm systems.
- Designer Applications: Including the minimalist SILHOUETTE system.
- Perimeter Trims and Accessories.

PeakForm suspension systems meet the requirements of Australian Standard 2785-2000 "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.

PeakForm Grid Profiles

PeakForm is an innovative design for Main Bars and Cross Runner. 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.

Hot Dipped Galvanized Steel:

Inhibits red rusting better and longer than electro galvanised or painted systems

- Installation of grid can start before the building is enclosed.
- Long term system performance because entire system is hot dipped galvanised steel.

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.

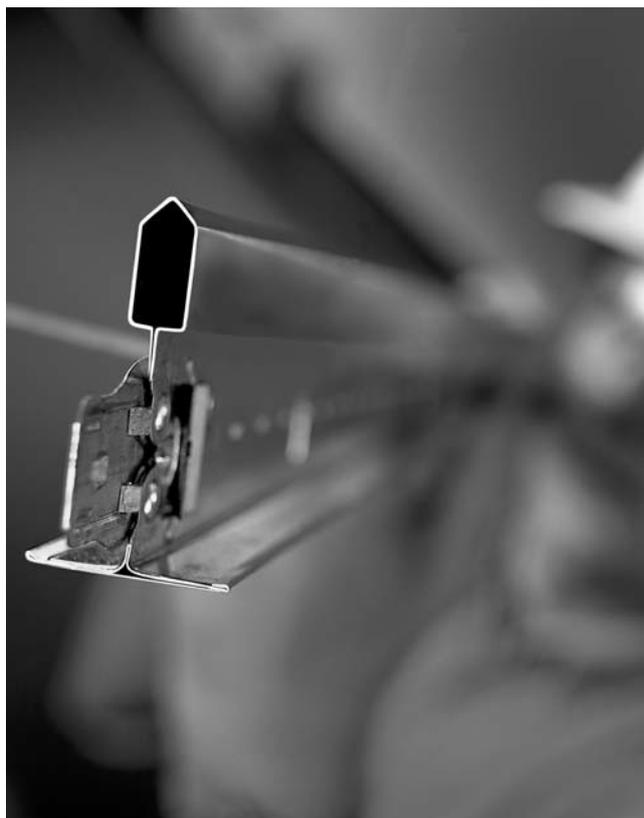
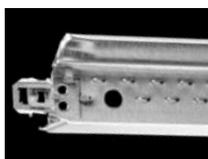


Physical detail

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 Runner 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 is precision stamped from a separate piece of high grade steel permitting an increased accuracy and economy of production over the more conventional integral forming of the Cross Runner ends. All 1200 long Cross Runner feature the **PeakForm** design.

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



Sustainability

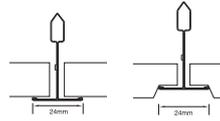
Armstrong **PeakForm** suspension systems contain 25% recycled content and can be fully recycled at the end of life.

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

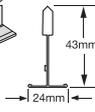
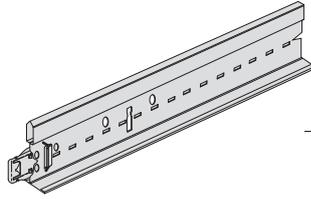
For Seismic Design support please contact your local Armstrong office.

PeakForm PRELUDE 24 XL²

PeakForm Prelude XL² suspension system is a robust, general purpose, exposed 24mm “tee” grid, suitable for square edge and tegular edge ceiling panels.

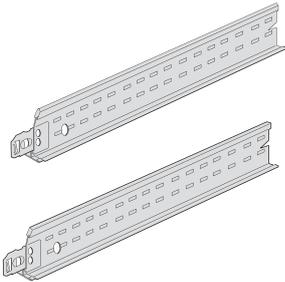


Main Bar: PRELUDE 24 with Superlock Clip (bulb-to-bulb connection)



Item Number	Dimensions			Rout Centres mm	Content / Carton		Weight / Carton kg
	length (mm)	height (mm)	width (mm)		pcs	lm	
HBP 73 40 42	3600	43	24	100	20	72,00	22

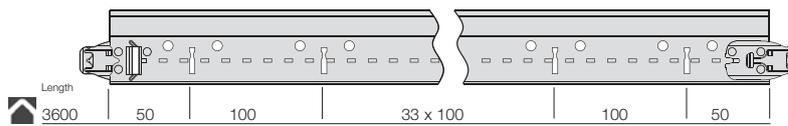
Cross Runner: PRELUDE 24 XL² (stab system, override)



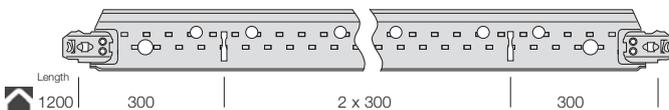
HBP 31 30 52	1200	35	24	300	60	72,00	21
HBP 31 20 22	600	30	24	-	60	36,00	10

Section Drawings

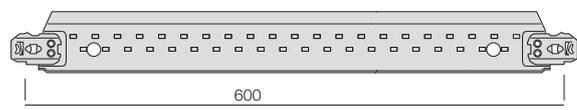
Main Bars PRELUDE 24



Cross Runner PRELUDE 24 XL²

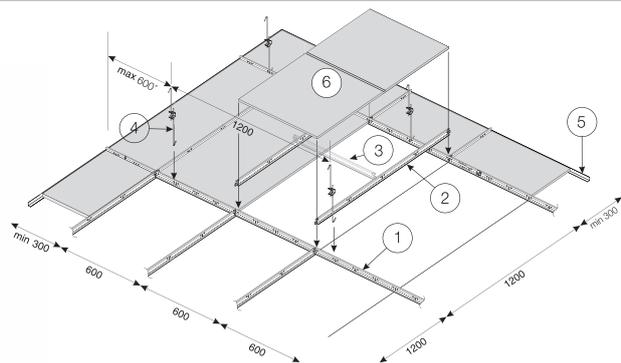


Cross Runner PRELUDE 24 XL²



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

Standard lay-in installation of 24mm exposed suspension system using Board or Tegular tiles.



Module	Installation n		Quantities required per 100m ² (no waste included)			
	Main Bar centres	Hangers centres	1 Main Bar	2 Cross Runner 1200mm	3 Cross Runner 600mm	4 Hanger
1200 x 600mm 139 pcs	1200mm	1200mm	23 pcs	139 pcs	-	70 pcs
	600mm	1200mm	48 pcs	-	139 pcs	140 pcs
600 x 600mm 278 pcs	1200mm	1200mm	23 pcs	139 pcs	139 pcs	70 pcs
	600mm	1200mm	48 pcs	-	278 pcs	140 pcs

5 Perimeter trim quantity depends upon room geometry

The chart is for general guidance only.

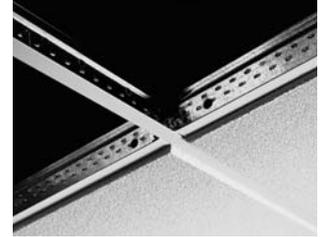
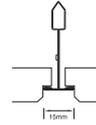
Cross Runner alignment is achieved by locating the tees to the right-hand side of the adjoining section. All measurements in millimetres. All sizes are nominal.

For perimeter details, hangers and accessories, please refer to pages 6 – 7.

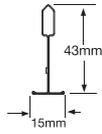
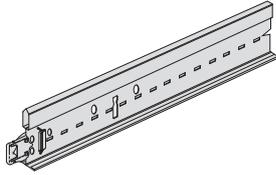
For additional information and drawings, please refer to www.armstrongceilings.com.au

PeakForm SUPRAFINE 15 XL²

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

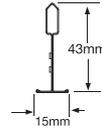
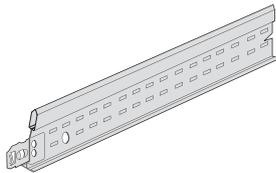


Main Bar: SUPRAFINE 15 with Superlock Clip (bulb-to-bulb connection)



Item Number	Dimensions length (mm) height (mm) width (mm)			Rout Centres mm	Content / Carton pcs lm		Weight / Carton kg
HBP 75 40 42	3600	43	15	100	20	72,00	22,50

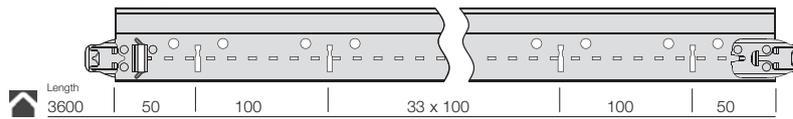
Cross Runner: SUPRAFINE 15 XL² (stab system, override)



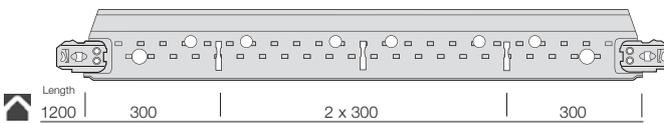
HBP 75 30 42	1200	43	15	300	60	72,00	20,70
HBP 75 20 42	600	43	15	-	60	36,00	10,30

Section Drawings

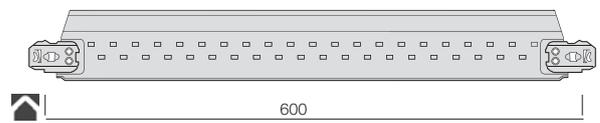
Universal Main Bars SUPRAFINE 15



Cross Runner SUPRAFINE 15 XL²

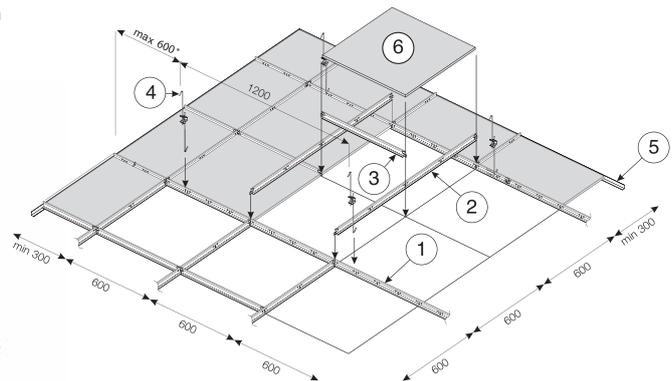


Cross Runner SUPRAFINE 15 XL²



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.



Module	Installation		Quantities required per 100m ² (no waste included)			
			1 Main Bar	2 Cross Runner 1200mm	3 Cross Runner 600mm	4 Hanger
6 Ceiling Panels 1200 x 600mm 139 pcs	Main Bar centres	Hangers centres	23 pcs	139 pcs	-	70 pcs
	1200mm	1200mm	48 pcs	-	139 pcs	140 pcs
600 x 600mm 278 pcs	1200mm	1200mm	23 pcs	139 pcs	139 pcs	70 pcs
	600mm	1200mm	48 pcs	-	278 pcs	140 pcs

5 Perimeter trim quantity depends upon room geometry

The chart is for general guidance only.

Cross Runner alignment is achieved by locating the tees to the right-hand side of the adjoining section.

All measurements in millimetres. All sizes are nominal.

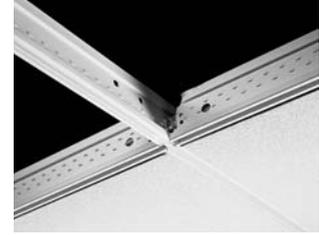
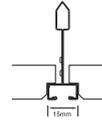
For perimeter details, hangers and accessories, please refer to pages 6 - 7.

For additional information and drawings, please refer to www.armstrongceilings.com.au

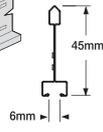
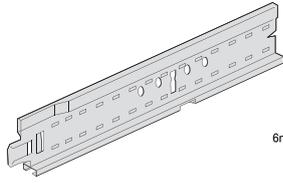
PeakForm SILHOUETTE 15 XL²

Exposed 15 mm grid system (nominal).

Silhouette XL² is a suspension system designed to create a crisp, clean look in conjunction with Tegular B15 tiles to provide an enhanced aesthetic.

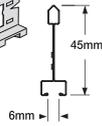
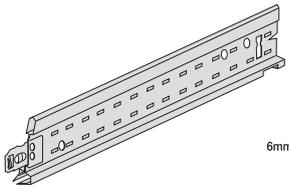


Main Bar: SILHOUETTE 15 (by-pass connection)



Item Number	Dimensions			Rout & Mitre Centres mm	Content / Carton		Weight / Carton kg
	length (mm)	height (mm)	width (mm)		pcs	lm	
with 6mm reveal							
HBP 80 40 82	3600	45	15	600	20	72,00	24,50

Cross Runners: SILHOUETTE 15 XL² (stab system)



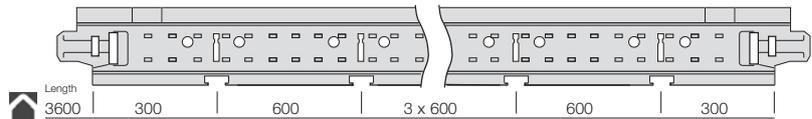
with 6mm reveal							
HBP 80 30 82	1200	45	15	600	60	72,00	24,50
HBP 80 20 82	600	45	15	-	60	36,00	12,70

* Note: Item mitred on one side only

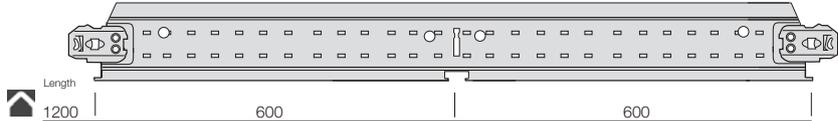
Section Drawings (Standard Items for 600x600 module configuration)



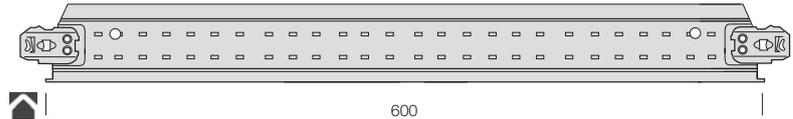
Main Bars SILHOUETTE 15



Cross Runner SILHOUETTE 15 XL²

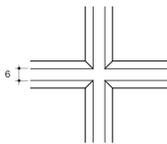


Cross Runner SILHOUETTE 15 XL²



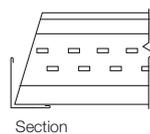
SILHOUETTE 15 XL²

- Pre-mitred intersections

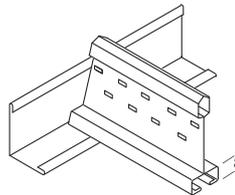


View of mitred intersection from beneath

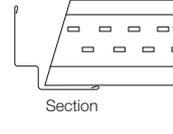
Perimeter Solutions



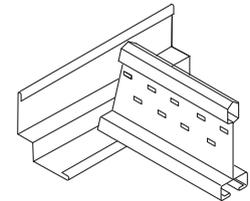
Section



Cross Runner trimmed to wall angle



Section



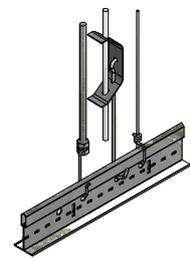
Cross Runner trimmed to shadowline

All measurements in millimetres. All sizes are nominal.

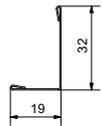
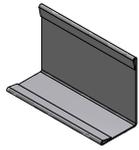
For perimeter details, hangers and accessories, please refer to pages 6-7.

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PERIMETER TRIMS AND ACCESSORIES

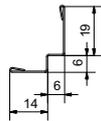
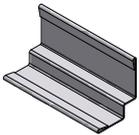


Perimeter Trims

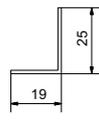
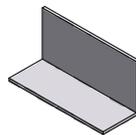


HBPT1932H

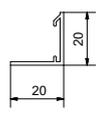
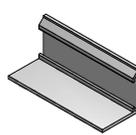
Item Number	Description	Length (mm)	Content / Carton pcs / lm	Weight / Carton kg
HBPT1932H HBP 784003	Steel Perimeter Trims: Roll Formed and Prepainted			
	Long Leg Wall Angle	3600	30 / 108	21
	Shadow Line Wall Angle	3600	30 / 108	20
AL008GW AL008RCPGW AL009GW AL009RCPGW ALBULK3600GW AL*CURVE	Aluminium Perimeter Trims: Extruded and Powdercoated			
	Std Wall Angle	3600	20 / 72	14
	Wall Angle for Roll In Clip Attachment	3600	20 / 72	14
	Std Shadow Line Wall Angle	3600	20 / 72	14
	Shadow Line Wall Angle for Roll In Clip Attachment	3600	20 / 72	14
	Bulkhead Trim (suits both 10 and 13mm Pb)	3600	10 / 40	10
	Curved Wall Angle (* any of above Wall Angles)	3600	- / -	-
COLRING*	Column Ring (* any of above Wall Angles)	Defined by column radius		



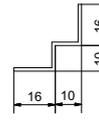
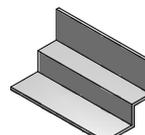
HBP 784003



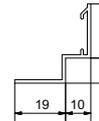
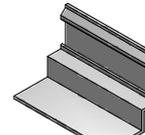
AL008GW



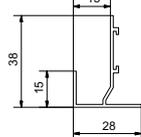
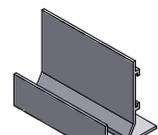
AL008RCPGW



AL009GW



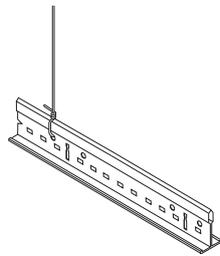
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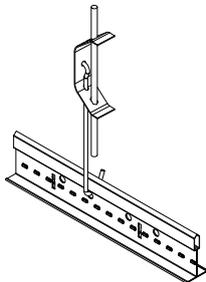
ALBULK3600GW

Suspension & Accessories

Grid Accessories



ARM-051



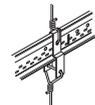
ALRIC



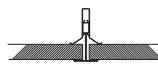
SCPF



Trclip and threaded rod/nut



BPDLCC



BPUHDCA



274



254M



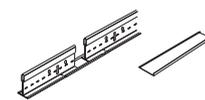
188



247



TOUCH UP PAINT



ES4

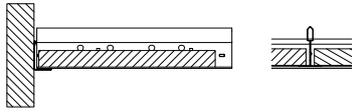
Item Number	Description	Dimensions length (mm)	Content / Carton pcs	Weight / Carton kg
SCPF	Hook Suspension Clip for 5mm or 2.5mm Rod	165	100	2.2
ARM-051	Direct Fix Clip	175	100	2.6
Trclip	Suspension Clip for 6mm Threaded Rod	80	100	2.0
M6 Rod	6mm Threaded Rod	1200	50	11.0
M6 Nuts	6mm nuts for Threaded Rod	-	200	0.4
LP Washers	6mm Washers	-	100	0.4
BPDLCC	Direct Load Ceiling Clip	80	250	5.5
ALRIC	Roll In Clip	65	100	5
5mm	5mm Suspension Rod	4000	40	24.2
2.5mm	2.5mm Suspension Wire	4000	160	25.0
188	Angle Bracket	47 x 47	100	1.2
247	Suspension Rod Angle Bracket	55	100	2.1
274	Suspension Rod Bracket for Timber or Steel Joist	80	100	2.1
254M	5mm Suspension Rod Joiner Spring adjustment	-	100	0.9
ES4	4" Expansion Sleeve - suit 24mm Peakform	100	100	5.0
GPPF	Grid Touch Up Paint (128g net)	-	6	1.3
BPUHDCA	Universal Hold Down Clip	-	100	4.0

PERIMETER SOLUTIONS

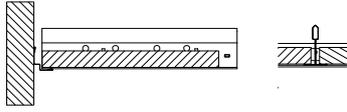
Mineral suspension system.

Perimeter Detailing Recommendations

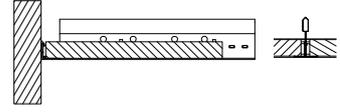
Square Edge Panels



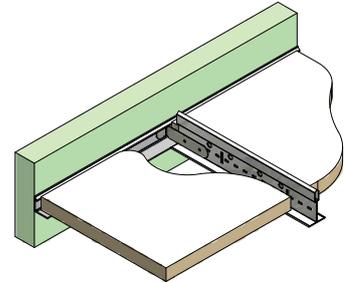
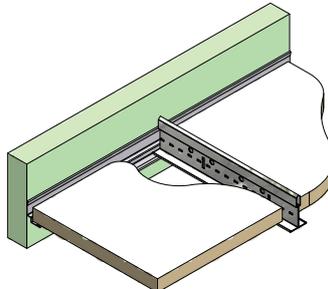
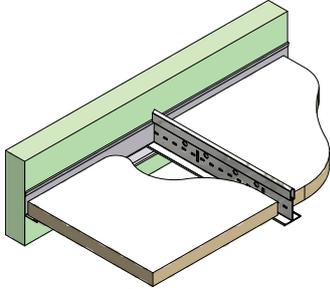
Grid, Wall Angle and "Square Edge Panel" at same level



Grid, Wall Angle and "Square Edge Panel" at same level

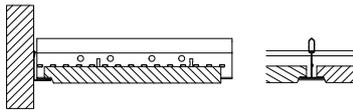


Tee Bar is secured to Wall Angle via Roll In Clip

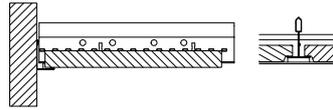


Note: Wall Angles should be fixed to wall at 450mm centres

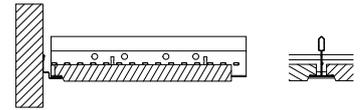
Tegular Edge Panels



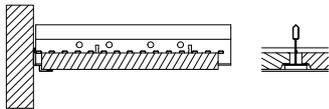
Panel edge is field "tegulated" at Wall Angle



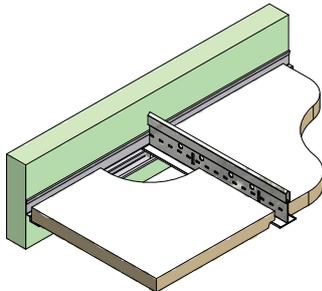
Wall Angle position is dropped to level of face of Panel; Tee Grid is packed at Wall Angle and Panel is square cut at wall angle



Panel edge is field "tegulated" at Wall Angle



Wall Angle position is dropped to level of face of Panel; Tee Grid is packed at Wall Angle and Panel is square cut at wall angle



For information on Armstrong 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 "shadowline hat" profiles. All materials supplied by Armstrong meet the requirements of Australian Standard 2785-2000 "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 unfixed, 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 Runner 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

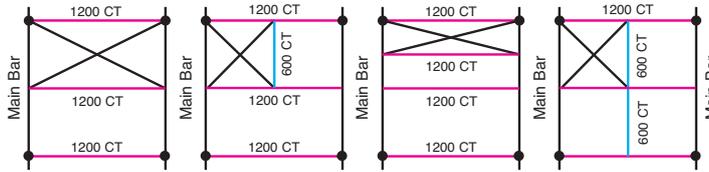
not to exceed the design ceiling load or as may otherwise be required to prevent deflection in excess of 1/360 of the span of the spacers or Main Bars. Where light fittings, air conditioning fixtures etc are to be supported by the grid system, extra hangers may be required. Down bracing to be incorporated 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.

Maximum Fixture Weight

Main Bar to Main Bar (Fixture / Panel Orientation)

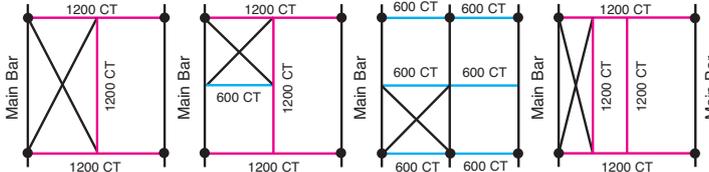
Main Bar
Cross Runner x 600
Cross Runner x 1200



1. FIXTURE* (mm)	1200 x 600	600 x 600	1200 x 300	600 x 600
2. PLANNING MODULE (mm)	1200 x 1200	1200 x 1200	1200 x 600	1200 x 600
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



1. FIXTURE* (mm)	1200 x 600	600 x 600	600 x 600	1200 x 300
2. PLANNING MODULE (mm)	1200 x 1200	1200 x 1200	600 x 600	1200 x 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)

Main Bar
HBP734042

Minimum KGS to Pull Out
Compression / Tension
174 kg / 133 kg

Cross Runner

All Cross Runner exceed 136 kg in both compression / tension.

Loading Parameters

- Main Bars at 1200mm centres
- Cross Runner 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 AS2785-2000.

Armstrong, the Global Leader in Acoustic Ceiling Systems

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For Seismic Design support please contact your local Armstrong office.



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