

PeakForm Prelude 24 MAX Engineered Framing System

Armstrong®
CEILING SOLUTIONS

Benefits

- Prelude™ 24 Max™ is a pre-engineered ceiling suspension system designed specifically for high load capacity applications.
- Supports load from the face of the suspension system using M10 threaded rod and integrated hanging clips:
 - Allows for application of point loads for suspension of heavy services and signage without accessing the ceiling plenum.
- Double Peakform, 62mm high profile for heavy duty applications with point load capacity of up to 195kg*.
- C2C Silver certified suspension system for contribution to WELL Building Rating.
- Cost effective and quick and easy to install.
- Seismic Solutions Available.

Application Areas

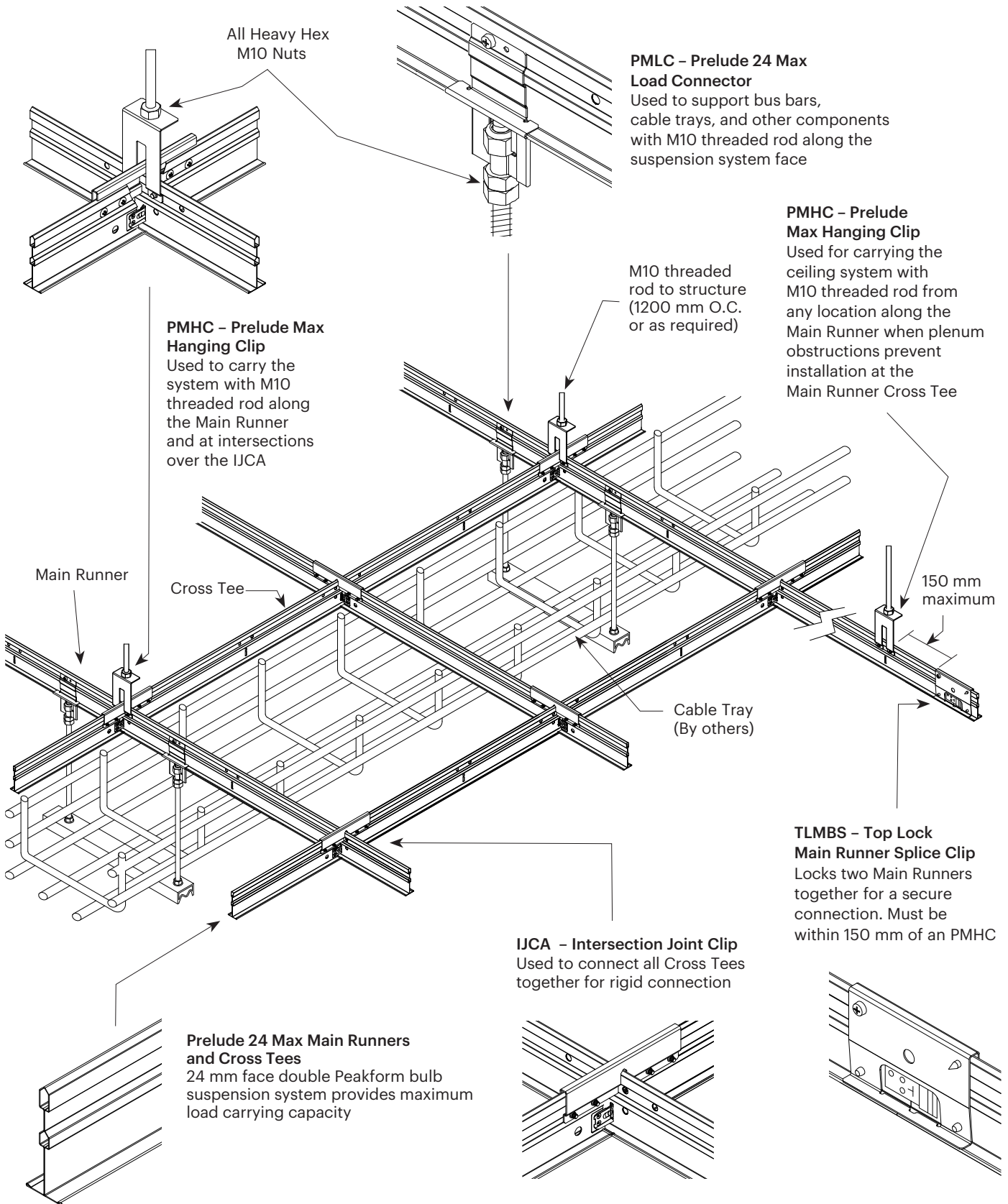
- Data Centres
- Retail (supporting heavy signage or TV monitors)
- Industrial / Warehouses to support robotics, cable trays, lighting, services, air conditioning, security cameras, smoke detectors, sensors etc
- Hospitality, including clubs and casino ceilings, hotel gaming areas

Physical Data

- Material: galvanised steel
- Surface finish: baked polyester paint
- Colour: standard in Global White



Prelude 24 MAX – How it Works



Prelude 24 MAX™ – Engineered Framing System Components



Sustainability



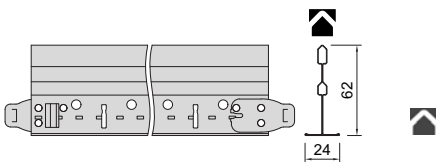
25%

A+ Low VOC

Other Performances & Features

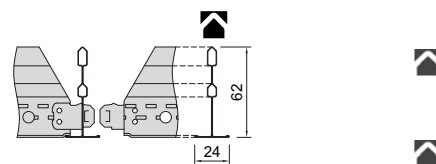


PRELUDE 24 MAX – Double PeakForm Main Runner with Superlock Clip (bulb-to-bulb connection)



Item Number	Dimensions (mm)			Content / Carton		Weight / Carton kg
	length	height	slot centres	pcs	lm	
48 40 94	3600	62	300	10	36,00	23.60

PRELUDE 24 MAX – XL² Cross Tees (stab system, override)



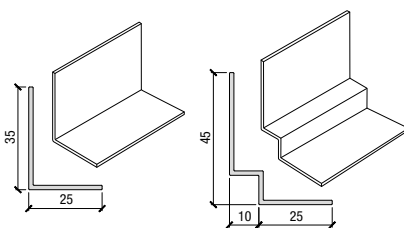
Cross Tees slotted

48 30 94	1200	62	300	30	36,00	23.60
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Cross Tees unslotted

48 20 94	600	62	-	30	18,00	11.80
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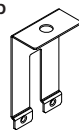
Perimeter Trims



Item No.	Description	Dimensions (mm)			Content / Cart'n pcs	Weight / Cart'n kg
		width	height	length		
ALSWA1	Heavy Duty Wall Angle	25	35	3600	20	17.5
ALSWA4	Heavy Duty Shadow Line Wall Angle	35	45	3600	20	23

Accessories

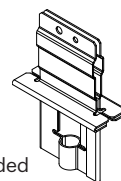
PMHC – Prelude Max Hanging Clip
Used to carry the ceiling system with M10 threaded rod from structure.



*Machine Screws, Heavy Hex Nut, and Locknut included

PMHCM10 – 150 pcs

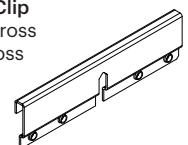
PMLC – Prelude 24 Max Load Connector – Used to support bus bars, cable trays, and other components with M10 threaded rod from the suspension system face.



* Heavy Hex Nut & Locknut included

PMLCM10 – 100 pcs

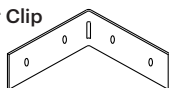
IJCA – Intersection Joint Clip
Used at all Cross Tee-to-Cross Tee or Main Runner-to-Cross Tee connections.



* Machine screws included

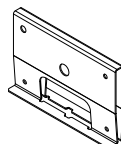
IJCA – 250 pcs

XTAC – Cross Tee Adapter Clip
Securely attaches Cross Tees or Main Runners to the Structural Wall Angle around the perimeter of the ceiling installation.



XTACAG – 100 pcs

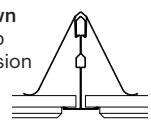
TLMBS – Top Lock Main Runner Splice Clip – Locks two Main Runner together for a secure connection.



10 pcs (included with item 730145 Main Runner)

TLMBS – 10 pcs

PMHDC – Maximum Hold Down Clip – Attaches to the top bulb of the Prelude 24 Max suspension system to hold ceiling panels in place; helps to prevent ceiling panel movement.



PMHDC – 100 pcs

Prelude 24 MAX™ – Recommended Ceiling Panels

MetalWorks Lay In

Bioguard Acoustic

Armstrong METALWORKS Lay In panels are an economical, durable metal ceiling solution with a range of perforation and acoustical options. Available in plain (non-perforated) for maximum clean room performance.

- Contemporary appearance
- Simple accessibility to plenum space
- Available in Trioguard™ dust repellent coating, protecting from colour fading and maintaining its original look for longer
- TOTAL ACOUSTICS™ Performance Options (NRC + CAC) with B15 Acoustical Infill panels
 - High sound absorption for reduced reverberation and quieter spaces
 - High sound attenuation, improving room to room privacy
- Humiguard Plus RH99% Humidity/Sag Resistant
- High light reflective finish for a brighter space
- Sustainable – Green Star™ and WELL™ contribution
- ISO 5 Clean Room performance (Plain – Non-perforated)

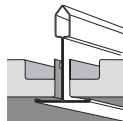
BIOGUARD ACOUSTIC mineral fibre ceiling panels features a smooth, durable and washable surface with excellent anti-microbial and ISO clean room performance, making it an ideal solution for clean room and computer environments.

Benefits:

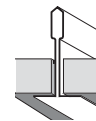
- Anti-microbial performance provides protection against bio-contamination
- Sealed edges producing ISO 3 Clean Room performance
- TOTAL ACOUSTICS™ Performance (NRC+CAC)
 - High sound absorption for reduced reverberation and quieter spaces
 - High sound attenuation, improving room to room privacy
- Humiguard Plus RH99% Humidity/Sag Resistant
- Reinforced, scratch resistant face for longer life
- High light reflective finish for a brighter space
- Sustainable – Green Star™ and WELL™ contribution

Edge Detail

Square Lay-in



Square Lay-in



Item / Dimensions

Item: LOSC060605M_WHA: 600 X 600mm
Item LOSC120605M_WHA: 1200 X 600mm

Item: 5186: 600 X 600 X 19mm
Item 5187: 1200 X 600 X 19mm

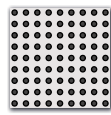
Colours / Pattern



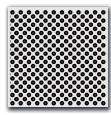
Global White



Plain Non Perforated (M1)



Standard Perforated (M10)



Micro Perforated (M2)



Global White

Sustainability



Recycled Content



Fully Recyclable



Low Emission



Recycled Content



Fully Recyclable



Low Emission

Green Star™: Potential contribution Interiors v1.1 / Design & As Built v1.2			
Indoor Environmental Quality			Materials
Credit 9 / 10 ACOUSTIC COMFORT	Credit 10.2A / 11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B / 12.1B VISUAL COMFORT: DAYLIGHT	Credit 12 / 13 INDOOR POLLUTANTS
✓	✓	✓	✓
Credit 21D / 21D SUSTAINABLE PRODUCTS – "Level A" Third Party Certification			Credit 22 / 22 CONSTRUCTION AND DEMOLITION WASTE
✓			✓

Green Star™: Potential contribution Interiors v1.3 / Design & As Built v1.3					
Indoor Environmental Quality			Materials		
Credit 9 / 10 ACOUSTIC COMFORT	Credit 10.2A / 11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B / 12.1B VISUAL COMFORT: DAYLIGHT	Credit 12 / 13 INDOOR POLLUTANTS	Credit 21C-D / 21C-D SUSTAINABLE PRODUCTS – "Level A" Third Party Certification	Credit 22 / 22 CONSTRUCTION AND DEMOLITION WASTE
✓	✓	✓	✓	✓	✓

Total Acoustics



CAC	NRC	Hz α _p					
		125	250	500	1000	2000	4000
Up to 40dB*	0.60	0.50	0.35	0.50	0.75	0.85	0.90

Note: * with B19 mineral acoustic infill.



CAC	NRC	Hz α _p					
		125	250	500	1000	2000	4000
40dB	0.70	0.30	0.35	0.65	0.95	0.95	0.95



Fire Resistance



Conforms with NCC Spec. C.110 as tested to AS 5637.1:2015 – Group 1, and ISO 5660 – Group 1 – S



Conforms with NCC Spec. C.110 as tested to AS 5637.1:2015 – Group 1, and ISO 5660 – Group 1 – S

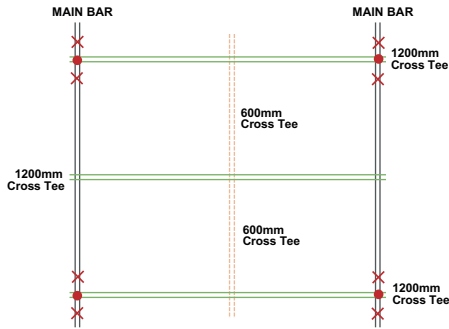
Other Performances & Features



SYSTEM: Serviceability and Load Capacities

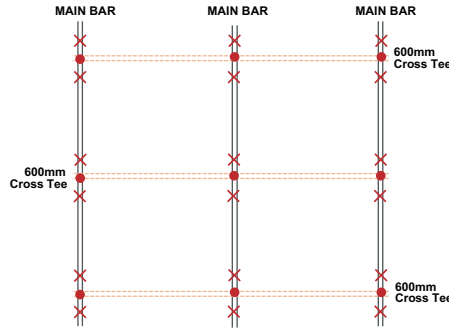
SYSTEM 1

Main Bar Spacing 1200mm centres
 Suspension Points 1200mm centres along Main Bar
 Point Loads X See table below



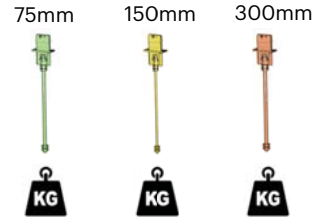
SYSTEM 4

Main Bar Spacing 600mm centres
 Suspension Points 600mm centres along Main Bar
 Point Loads X See table below



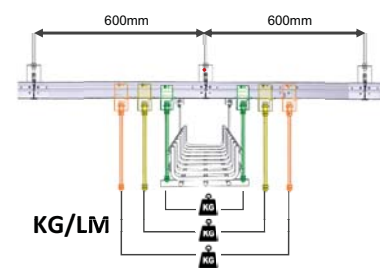
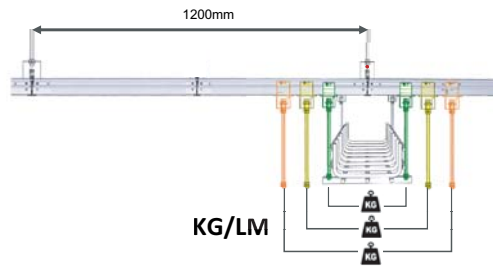
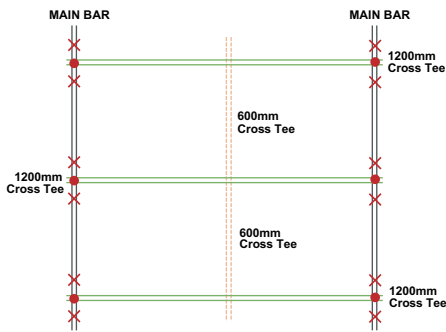
Cable Tray Load: KG/LM

Max. Distance from Hanger



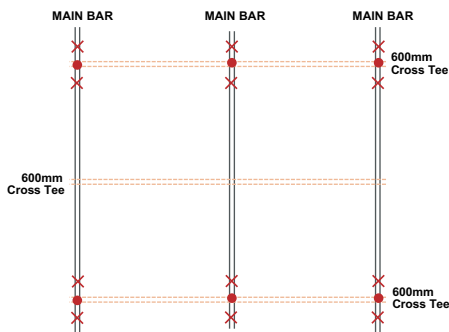
SYSTEM 2

Main Bar Spacing 1200mm centres
 Suspension Points 600mm centres along Main Bar
 Point Loads X See table below



SYSTEM 3

Main Bar Spacing 600mm centres
 Suspension Points 1200mm centres along Main Bar
 Point Loads X See table below



Grid System Load Capacities

System Type	Main Bar Centres (mm)	Suspension Point Centres (mm)	Distance of Load Hanger From Suspension Points (mm)	Point Load (Kg)	Panel Load (kg/m ²)
1/75	1200	1200	75	178	56
1/150	1200	1200	150	80	56
1/300	1200	1200	300	42	56
2/75	1200	600	75	178	119
2/150	1200	600	150	80	119
2/300	1200	600	300	42	119
3/75	600	1200	75	195	119
3/150	600	1200	150	144	119
3/300	600	1200	300	119	119
4/75	600	600	75	195	230
4/150	600	600	150	144	230
4/300	600	600	300	119	230

Note: This Design also includes an allowance for a ceiling panel of (max) 5kg/m²

Allowable Deflection at L/360: AS/NZS 2785:2020

Contact us

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CEILING SOLUTIONS