



Metal
product

LAY-IN BOARD
Square & rectangular tiles

Inspiring Great Spaces™

Armstrong®

LAY-IN BOARD

SQUARE & RECTANGULAR TILES

BENEFITS

- Diversity of design and application
- Easily assembled and fully demountable
- Cost effective ceiling solution
- Tiles are easily lifted out by hand, allowing full and easy access to the ceiling void.

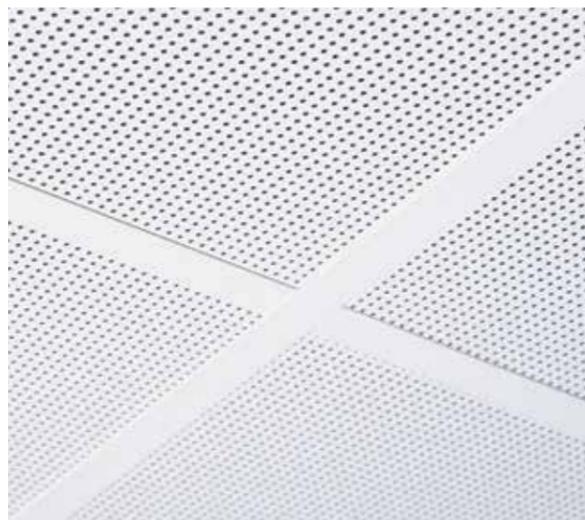
APPLICATION AREA

- Used in a variety of ceiling areas: from small service rooms to large commercial office buildings and major transportation terminals.

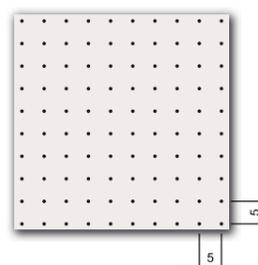
SPECIFICATION

System	Armstrong ceiling system Board, Lay-In solution with visible grid 24 mm	Perimeter solution	Range of standards trims in steel and aluminium plus custom bulkheads available
Tile material	galvanised steel sheet 0.5 mm (aluminium or other materials on request)	Service integration	standard round or rectangular cut-outs plus customised options on request.
Execution*	square tile square edged with standard notching		
Standard modules	600 x 600 mm 625 x 625 mm 1200 x 600 mm		
Grid system	tested modular system Prelude TLX 24 further suspension methods on request		
Coating	RAL 9010 pure white post-coated powder painted visible surface, other RAL or NCS colours on request		
Gap solution	0 mm gap, without gasket		
Acoustic inlay	Black non-woven acoustic fleece as standard. Other options available on request.		

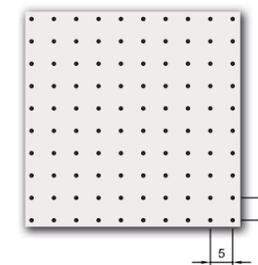
* For further information about the edge detail execution of metal tiles, please see the Metal Edge Detail Execution datasheet



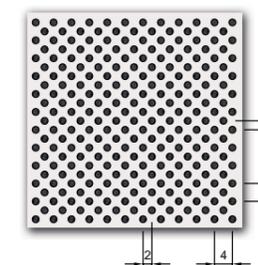
STANDARD PERFORATION PATTERNS



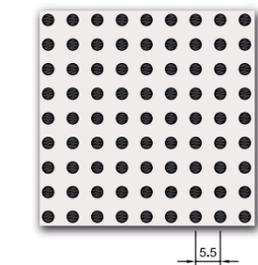
Ultra Microperforation Rg 0501
Hole diameter: 0.5 mm
Free area: 0.64 %



Extra Microperforation Rg 0701
Hole diameter: 0.7 mm
Free area: 1.5 %



Microperforation Rd 1522
Hole diameter: 1.5 mm
Open area: 22%



Standard Perforation Rg 2516
Hole diameter: 2.5 mm
Open area: 16%

ACOUSTIC PERFORMANCE

Metal ceiling systems have been tested for their acoustic performance of sound absorption. All perforated products can be supplied with a variety of factory fitted acoustic infill options. Please contact us for more information.

THERMAL CONDUCTIVITY

(λ) W/mK
50.0 : Steel
0.04 : Acoustic fleece

HUMIDITY EXPOSURE

Up to 95% RH (for short term exposure).

SERVICES INTEGRATION

Metal panels can be supplied with factory produced cut outs and apertures for the integration of building services equipment.

CLEANING

Dust should be removed from the painted surface by wiping with a clean soft cloth. More stubborn marks should be removed with a mild household detergent in warm water. Excessive use of water should be avoided. The use of abrasive cleaners of the painted surface is not recommended.

COLOUR

Standard colours

RAL 9010	20% gloss
Global White	12% gloss
RAL 9006	30% gloss
RAL 9007	30% gloss



Special colours

Other RAL and NCS colours available on request

QUALITY STANDARD

Armstrong is a certified **EN ISO 9001:2008** Quality Assured Manufacturer. All Armstrong ceiling and grid systems are manufactured to the relevant tolerances and quality standards appropriate to material. Where differences exist between this and any expressed or implied architectural specifications or requirements then Armstrong's manufacturing standards will prevail unless stated otherwise.

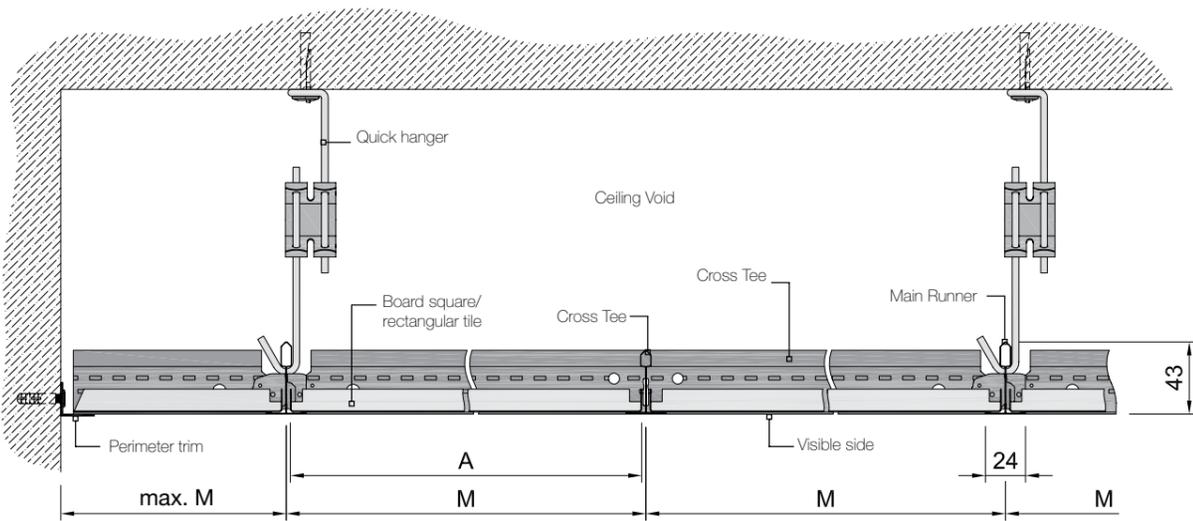
ENVIRONMENTAL

Our metal panels have an average of up to 30% recycling content. Our European manufacturing plants are certified to: **ISO 14001:2004 + Cor. 1:2009**
Armstrong is a member of TAIM (Technical Association of Industrial Metal Ceilings).

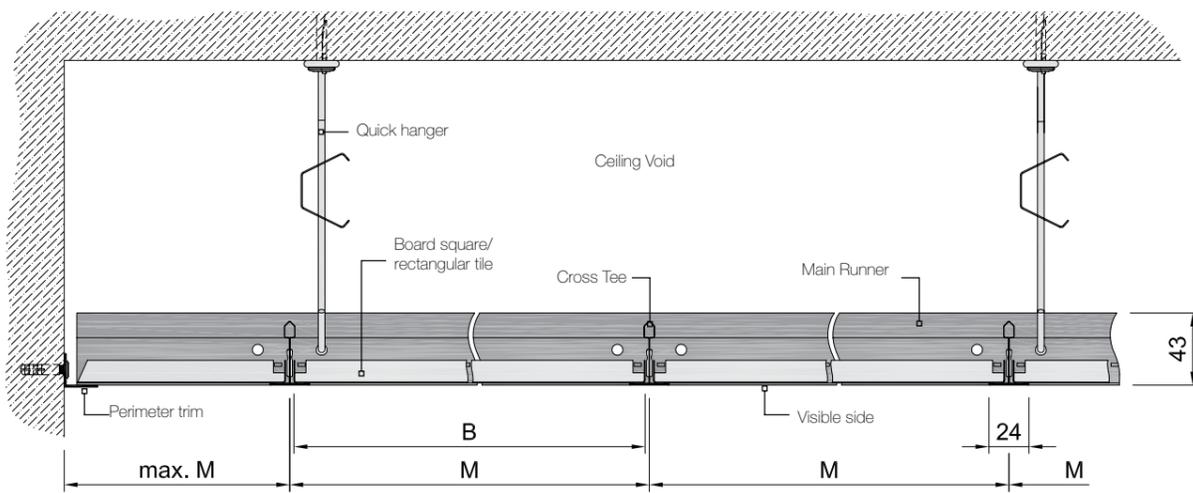
Sustainability		Acoustics						Safe & Healthy				
Recycled content (%)	Light reflectance (%)	α _w up to	Sound absorption class	NRC up to	Dncw / Dnfw (dB) up to	Rw (dB) up to	Fire reaction	Humidity Resistance (%) up to	Cleanability	Bioguard paint option	Scratch resistance	
ISO 14021												
Ultra Microperforation Rg 0501 (1)	up to 30	83	0.45(L)	D	0.55	18	8	A1	95	scrubbable	✓	✓
Extra Microperforation Rg 0701 (2)	up to 30	80	0.55(L)	D	0.65	21	10	A2-s2, d0	95	wipeable moist cloth (3)	✓	✓
Microperforation Rd 1522 (2)	up to 30	65	0.70	C	0.70	16	6	A2-s2, d0	95	wipeable moist cloth (3)		✓
Standardperforated Rg 2516 (2)	up to 30	70	0.75(L)	C	0.80	18	8	A2-s2, d0	95	wipeable moist cloth (3)		✓
Plain / Unperforated (1)	up to 30	85	0.10(L)	Not Classified	0.10	44	19	A1	95	scrubbable	✓	✓
Premium B15	up to 30	depends on perforation	0.65	C	0.60	47	21	A2-s1, d0	95	wipeable moist cloth		✓
Premium OP19	up to 30	depends on perforation	1.00	A	0.90	31	15	A2-s2, d0	95	wipeable moist cloth		✓

(1) RAL 9010 colour, without acoustic inlay. (2) RAL 9010 colour, with black acoustic fleece glued on rear. (3) Wipeable moist cloth for perforated tiles with fleece. Scrubbable for plain tiles or perforated tiles without fleece.

CROSS-SECTION BOARD

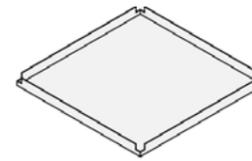


LONGITUDINAL-SECTION BOARD

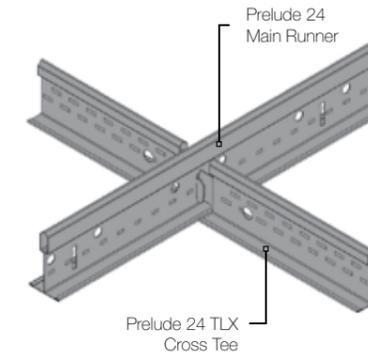


M = module size / A = panel length / B = panel width

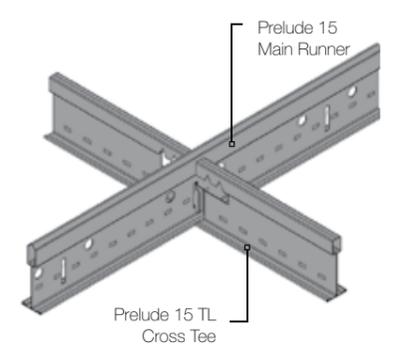
Detail A Board square tile



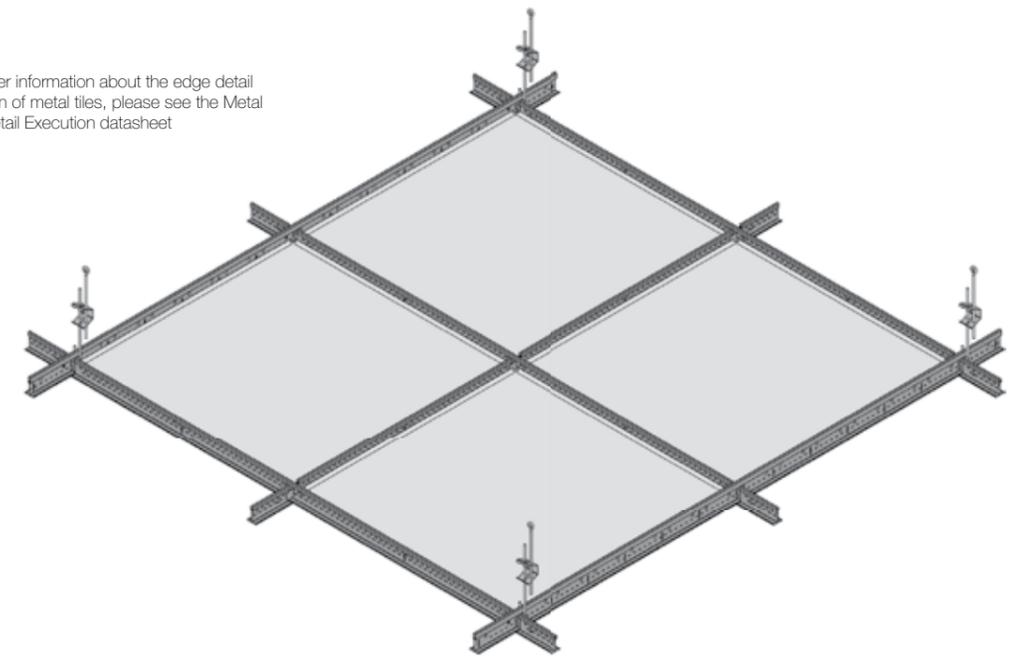
Detail B Prelude 24 TLX grid option



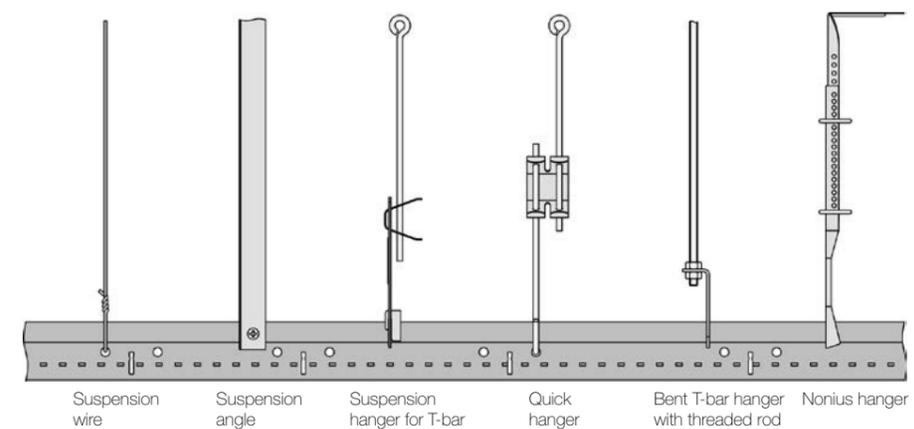
Detail C Prelude 15 TL grid option



For further information about the edge detail execution of metal tiles, please see the Metal Edge Detail Execution datasheet



Detail D suspension methods



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