

Metal
product

LAY-IN AXAL VECTOR
Square & rectangular tiles

Inspiring Great Spaces™

Armstrong®
CEILING SOLUTIONS



LAY-IN AXAL VECTOR

SQUARE & RECTANGULAR TILES

SPECIFICATION

System	Armstrong ceiling system Axal Vector, Lay-In solution with semi-concealed grid 24 mm
Tile material	galvanised steel sheet 0.5 mm (0.6 mm for module 750 x 750 mm) (aluminium or further materials on request)
Coating	RAL 9010 pure white post-coated powder painted visible surface, other RAL or NCS colours on request
Execution*	square tile square edged
Gap solution	6 mm reveal detail, without gasket
Acoustic inlay	black non-woven acoustic fleece as standard. Other options available on request.
Standard modules	500 x 500 mm 600 x 600 mm 300 x 600 mm 675 x 675 mm 750 x 750 mm
Grid system	Prelude XL^2 24
Perimeter solution	range of standards trims in steel and aluminium plus custom bulkheads available
Service integration	standard round or rectangular cut-outs plus customized options on request

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



BENEFITS

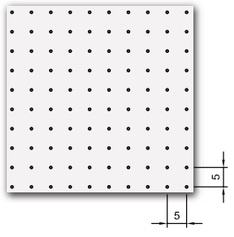
- Can be installed with a very low void depth
- Clean crisp detailing with 6mm reveal
- Easy to install and remove without tools
- Downwardly accessible.
- Semi-concealed grid for a monolithic effect

APPLICATION AREA

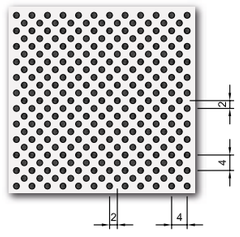
- Used in a variety of ceiling areas: from small service rooms to large commercial office buildings and major transportation terminals.

PROJECT: Centostazioni S.p.A. (IT) :::::::: ARCHITECT: Cristian Piccolo
SOLUTION: Axiom KE Canopy with Axal Vector

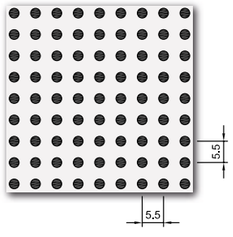
STANDARD PERFORATION PATTERNS



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



Microperforation Rd 1522
Hole diameter: 1.5 mm
Open area: 22%
with 20 mm plain border



Standard Perforation Rg 2516
Hole diameter: 2.5 mm
Open area: 16%
with 20 mm plain border

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.

COLOURS

Standard colour

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



RAL 9010 | Global White | RAL 9006 | RAL 9007

Special colours
Other RAL and NCS colours available on request

QUALITY STANDARD

Armstrong is a certified **EN ISO 9001:2008** Quality Assumed 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 specificaitons or requirements then Armstrong's manufacturing standards will prevail unless stated otherwise.

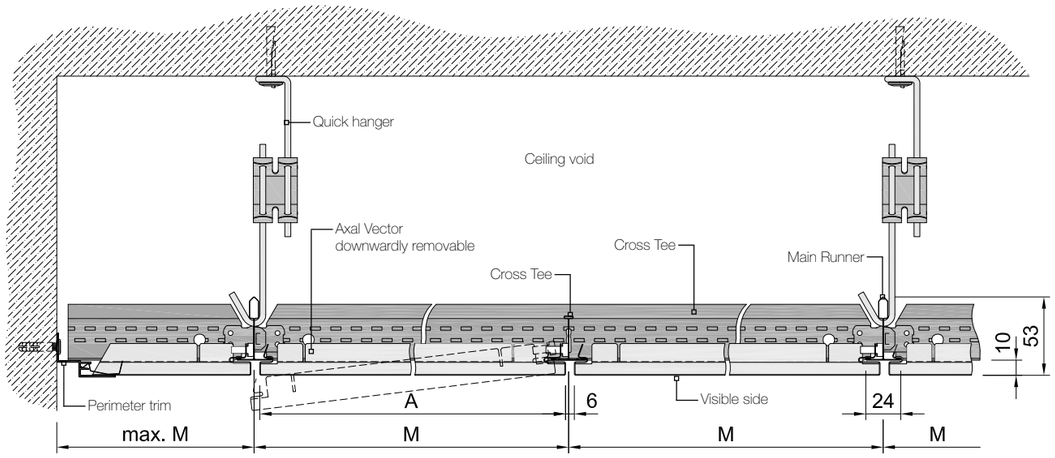
ENVIRONMENTAL

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).

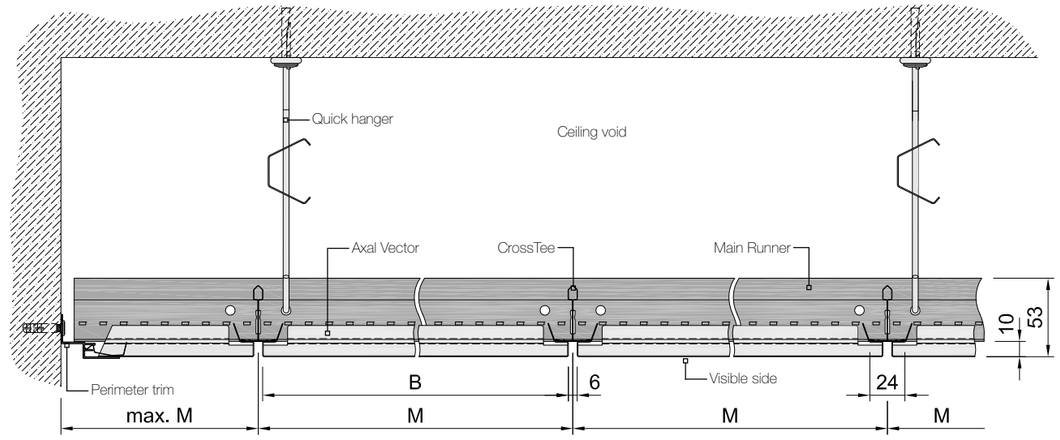
	Sustainability		Acoustics					Safe & Healthy				
	ISO 14021											
	Recycled content (%)	Light reflectance (%)	α_w up to	Sound absorption class	NRC up to	Dncw / Dnfw (dB) up to	Rw (dB) up to	Fire reaction	Humidity Resistance (%) up to	Cleanability	Bioguard paint option	Scratch resistance
Ultra Microperforation 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)		✔
Standard Perforation 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 preforated tiles with fleece. Scrubbable for plain tiles or perforated tiles without fleece.
*Premium B15 and OP19 only available for Tegular 8 and Tegular 16, also some sizes of Tegular 2

CROSS-SECTION AXAL VECTOR

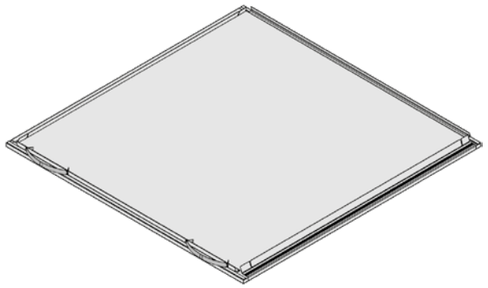


LONGITUDINAL-SECTION AXAL VECTOR

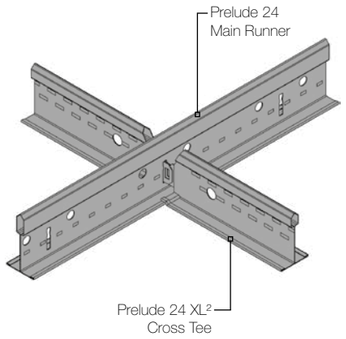


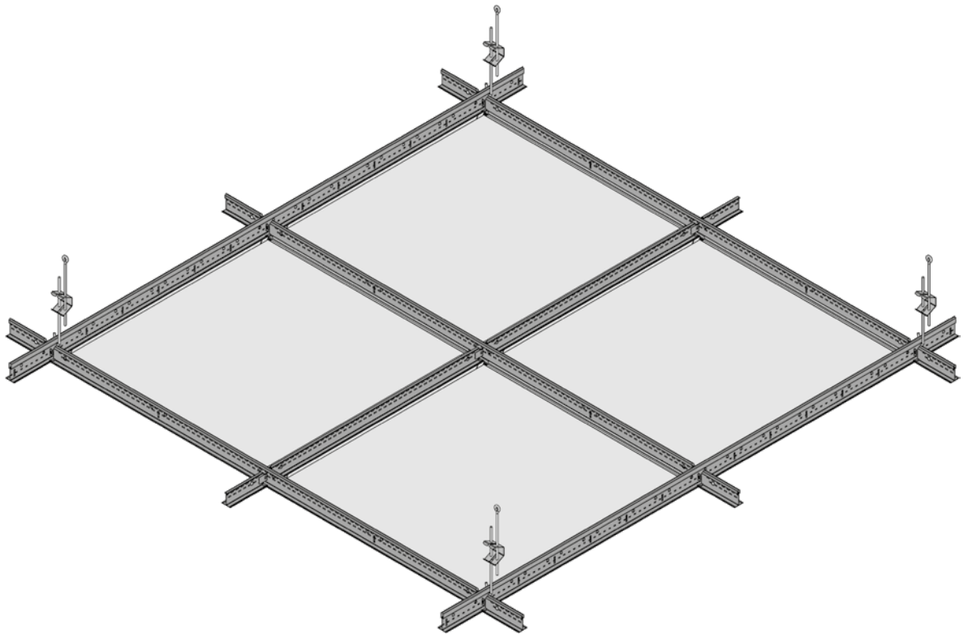
M = module size / A = tile length / B = tile width

Detail A Axal Vector square tile

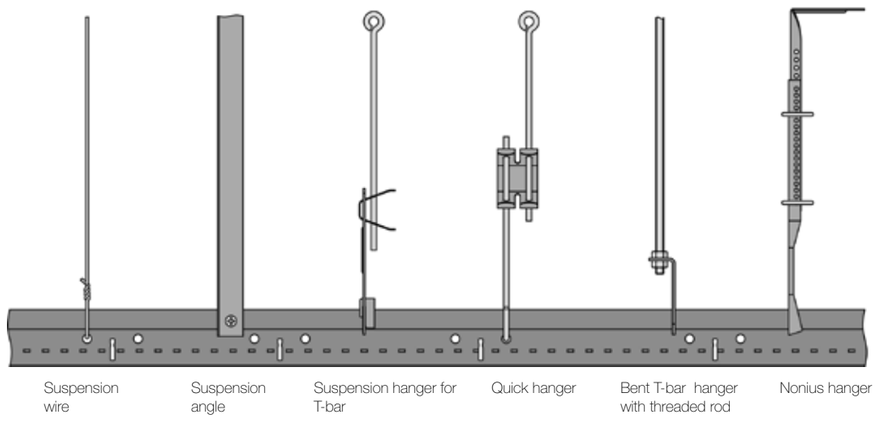


Detail B Prelude 24 XL² grid system





Detail C suspension methods





PROJECT: Aviva Stadium (IE) :::::::: ARCHITECT: Scott Tallon Walker
SOLUTION: Axal Vector plain

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