Metal product

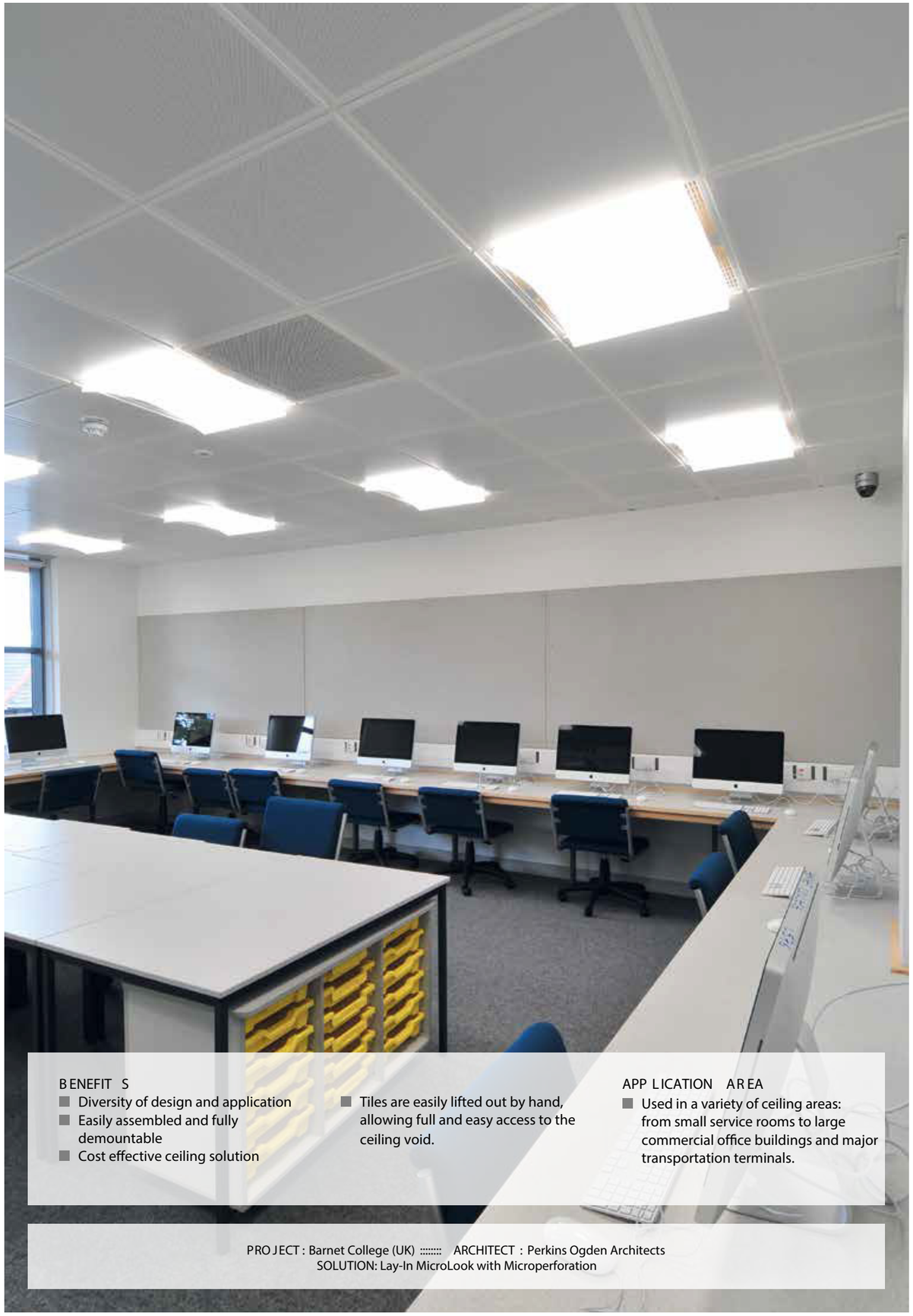
CI/SfB (35) Xy
11/2015



LAY-INMICROLOOK
Square & rectangular tiles

Inspiring Great Spaces™

Armstrong®



BENEFIT S

- 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.

APP LICATION AR EA

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

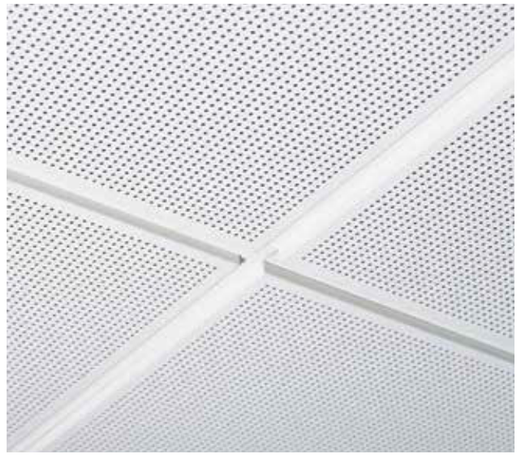
PRO JECT : Barnet College (UK) :::::::: ARCHITECT : Perkins Ogden Architects
SOLUTION: Lay-In MicroLook with Microperforation

LAY-IN MICROLOOK

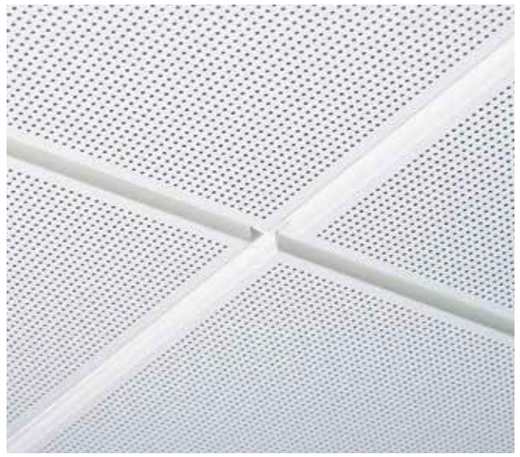
SQUARE & RECTANGULAR TILES

SPECIFICATION		
System	Armstrong ceiling system MicroLook 8 & 16 Lay-In solution with visible grid 15 mm	
Panels Material	galvanised steel sheet 0.5 mm (0.6 mm for module 750 x 750 mm) (aluminium or further materials on request)	
Execution*	square tile square edged with 8 mm or 16 mm drop and standard notching	
Standard modules MicroLook 8:	500 x 500 mm 675 x 675 mm 300 x 1200 mm	600 x 600 mm 750 x 750 mm 600 x 1200 mm
MicroLook 16:	500 x 500 mm 675 x 675 mm	600 x 600 mm 750 x 750 mm
Grid system	tested modular system Prelude TL 15 / XL² 15, 15. Optional design grid Silhouette or Interlude. Further suspension methods on request	
Coating	RAL 9010 pure white post-coated powder painted visible surface, other RAL or NCS colours on request	
Acoustic inlay	Black non-woven acoustic fleece as standard. Other options available on request.	
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

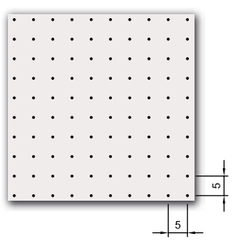


MicroLook 8

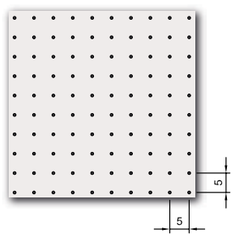


MicroLook 16

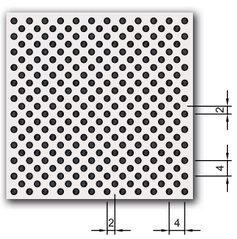
STANDA RD PE RFO RATION PATTE RNS



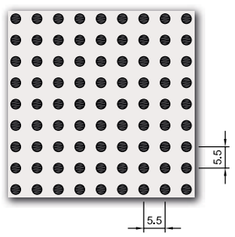
Ultra Microperforation
Rg 0501
Hole diameter: 0.5 mm
Free area: 0.64 %



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



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



Standard P erforation
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 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.

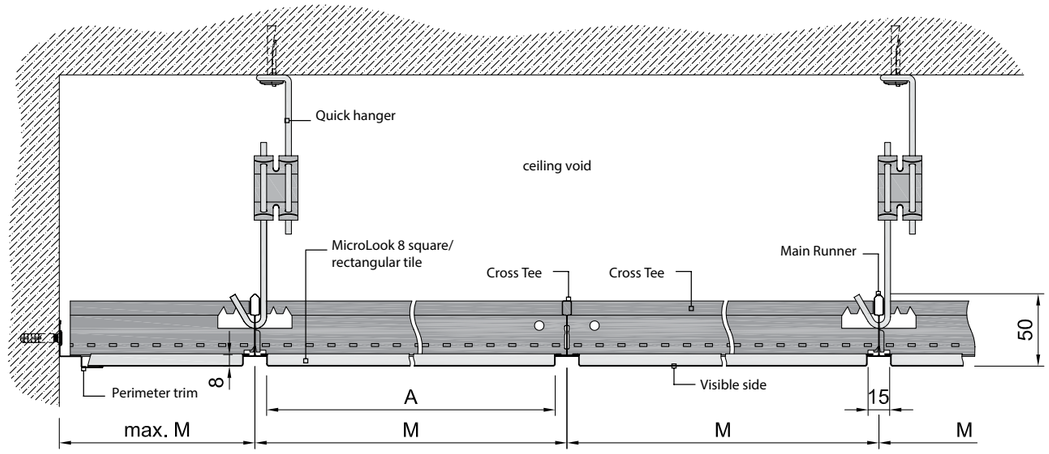
ENVIRONMENTAL

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).

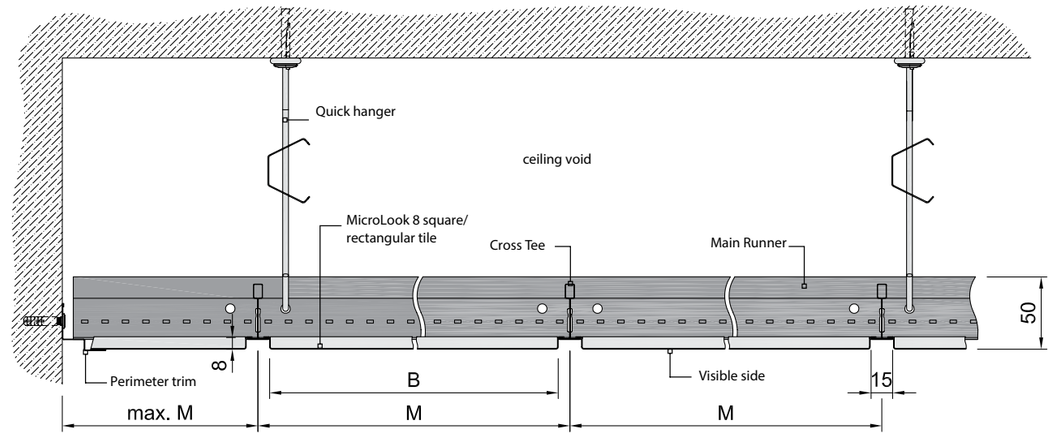
	Sustainability		Acoustics					Safe & Healthy				
	ISO 14021											
	Recycled content (%)	Light reflectance (%)	α_w up to	Sound absorption class	NRC up to	Dncw / Dnfw (dB) up to	Rw (dB) up to	Fire reaction	Humidity Resistance (%) up to	Cleanability	Bioguard paint option	Scratch resistance
Ultra Microperforation 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)		✔
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 preforated tiles with fleece. Scrubbable for plain tiles or perforated tiles without fleece.

CROSS-SECTION MICROLOOK8

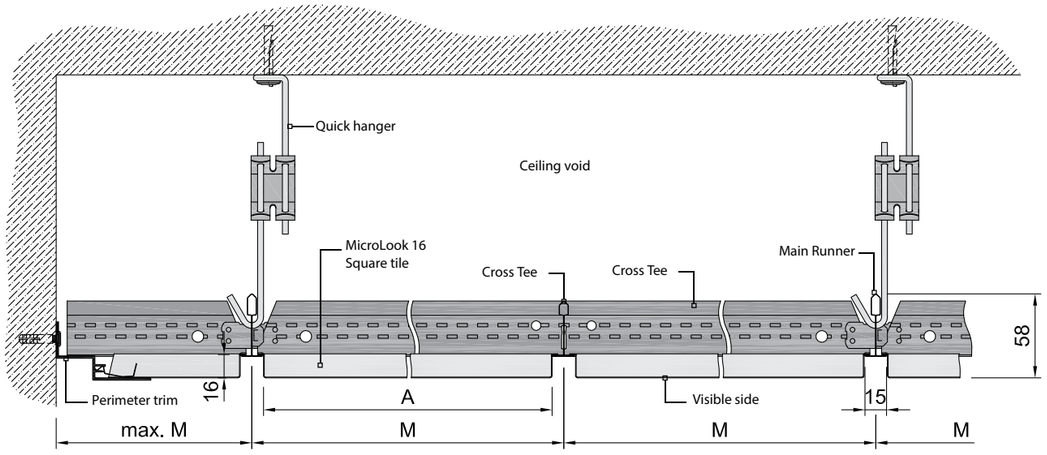


LONGITUDINAL-SECTION MICROLOOK8

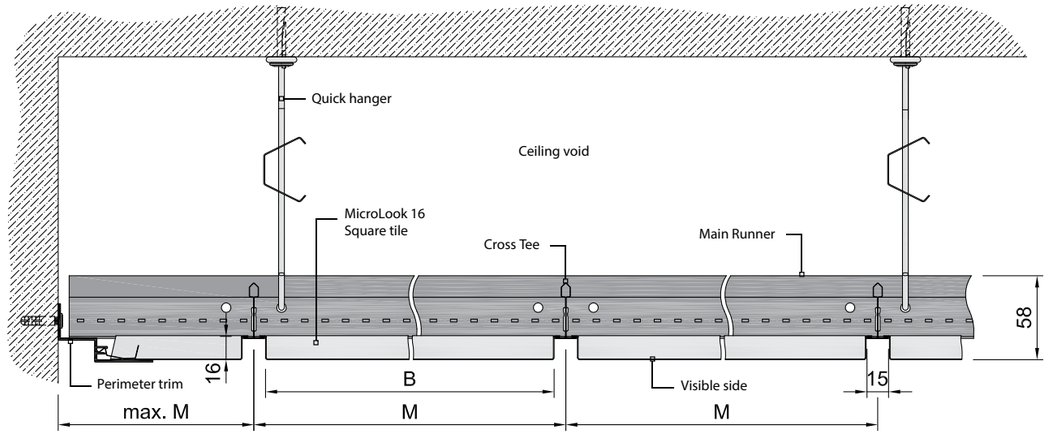


M = module size / A = panel length / B = panel width

CROSS-SECTION MICROLOOK 16

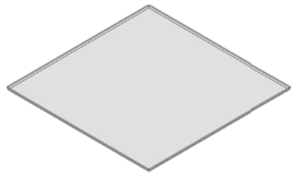


LONGITUDINAL-SECTION MICROLOOK 16

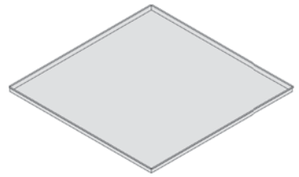


M = module size / A = panel length / B = panel width

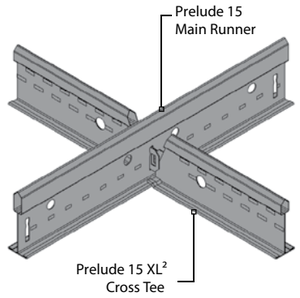
Detail A MicroLook 8 square tile option



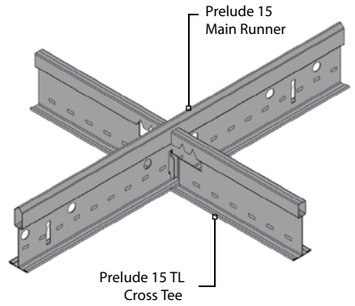
Detail B MicroLook 16 square tile



Detail C grid system



Detail D grid system



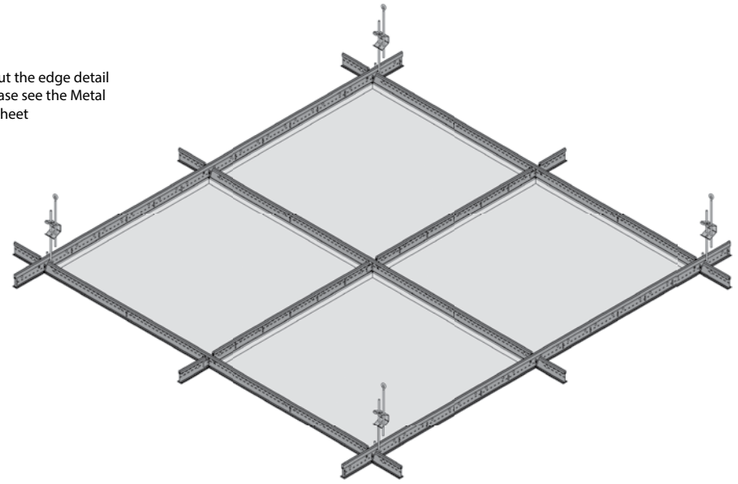
Detail E Design grid Silhouette 15 XL²



Detail F Design grid Interlude 15 XL²



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



Detail G suspension methods

