

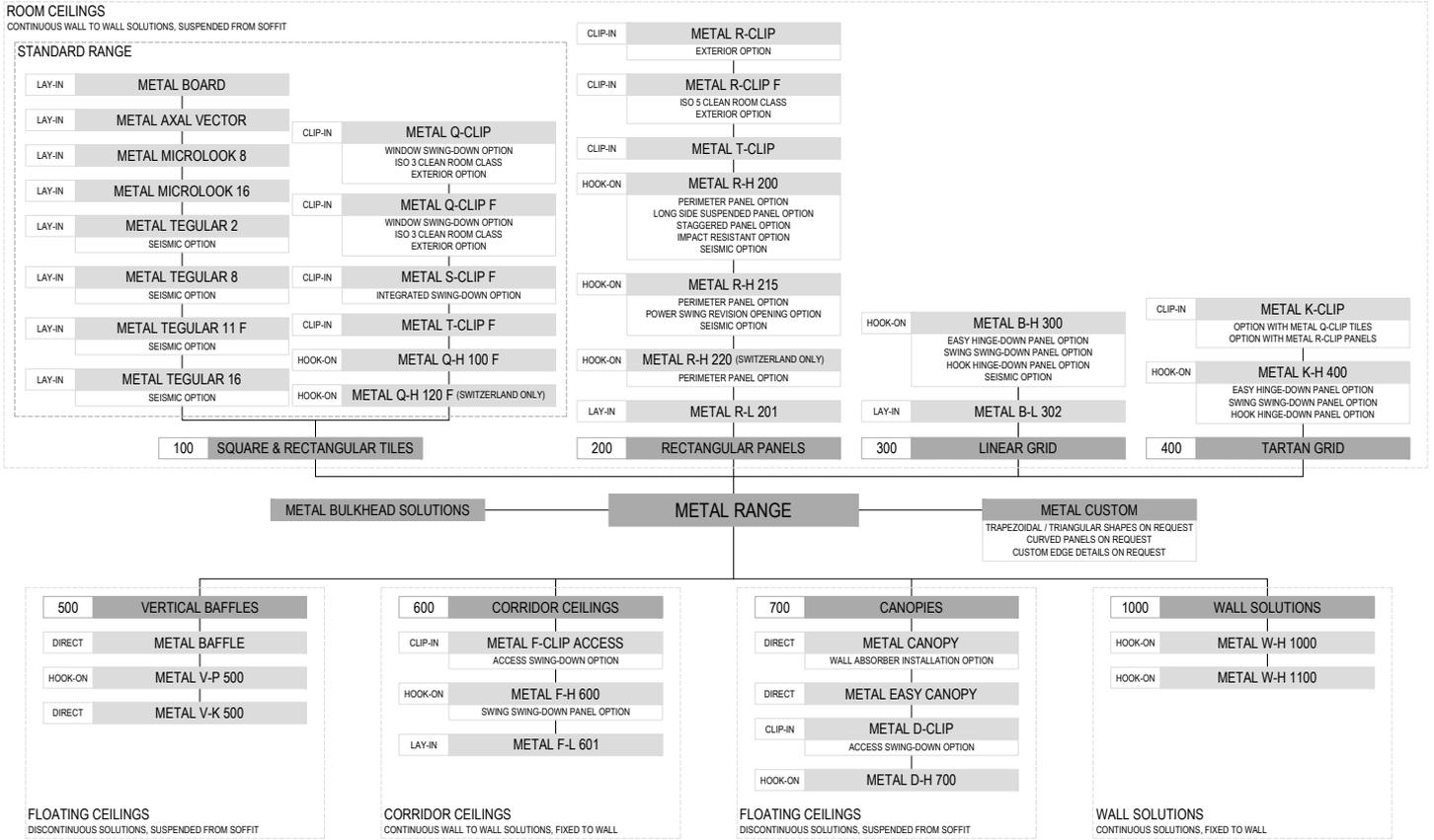
METAL & MESH CEILING SOLUTIONS CATALOGUE

METAL & METAL CEILING SOLUTIONS

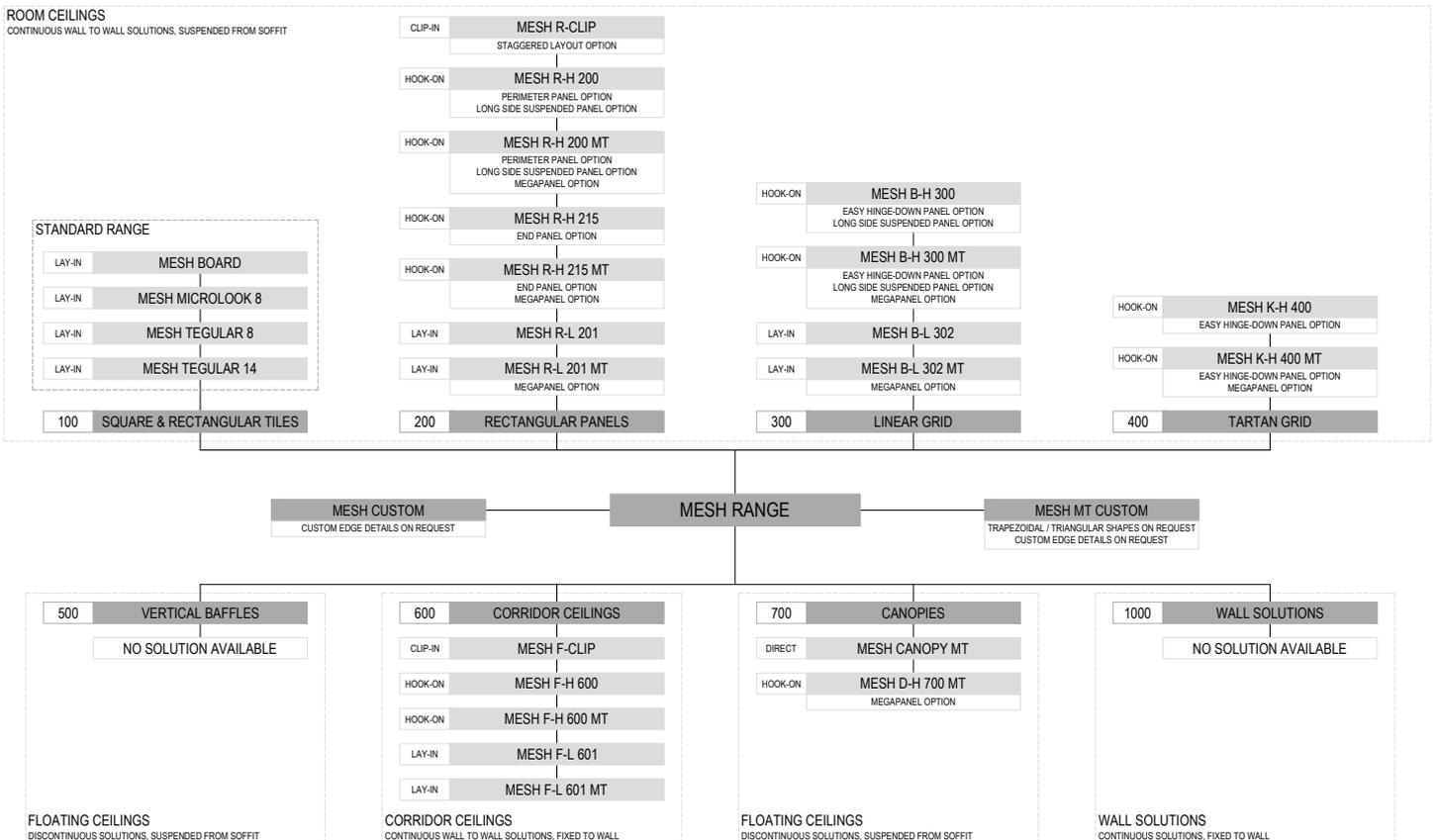
Knauf Armstrong's 150-year history may have been built originally on mineral ceiling tiles but its metal systems have proved equally successful, capturing the interest and imagination of specifiers globally. The company puts the reason for this success down to a combination of factors – innovative and outstanding products and services, constructive dialogue with prospective customers and partners in a diverse range of countries with equally diverse requirements, supported by highly qualified technical specialists offering advice and guidance.



METAL CEILING SOLUTIONS OVERVIEW



MESH CEILING SOLUTIONS OVERVIEW





09 09

09 09

08

METAL SOLUTIONS

STANDARD / SEMI-STANDARD

Effects on Metal... 10
METAL Clip-In... 12
METAL Lay-in: Board, Tegular, MicroLook... 16
METAL Lay-in: Axal Vector... 20

CANOPIES

METAL Canopy... 32
METAL Easy Canopy... 34
METAL D-Clip / METAL D-H 700... 36

WALL SOLUTIONS

METAL W-H 1000, METAL W-H 1100... 42

MESH SOLUTIONS

STANDARD

MESH Lay-In: Board, Tegular, MicroLook... 48

MESH CANOPIES

MESH D-H 700 MT / MESH Canopy MT... 54

CONFIGURABLE

METAL Rectangular Clip-In: R-Clip, R-Clip F, T-Clip... 22
METAL Rectangular Hook-On: R-H 200, R-H 215... 24
METAL Corridor: F-Clip Access, F-H 600, F-L 601... 26
METAL Linear & Tartan: B-H 300, B-L 302, K-H 400, K-Clip... 28
Exterior METAL Solutions: Q-Clip, Q-Clip F, R-Clip, R-Clip F... 30

BAFFLES

METAL Baffles... 38
METAL V-P 500 / METAL V-K 500... 40

CONFIGURABLE

Mesh Rectangular: R-Clip, R-L 201, R-H 200, R-H 215... 50
Mesh Linear & Tartan: B-L 302, B-H 300, K-H 400... 52
Mesh Corridor: F-Clip Mesh, F-L 601, F-H 600... 53

TECHNICAL INFORMATION

Definition of Technical Performance Icons... 56
Acoustical Technical Glossary... 58



METAL SOLUTIONS

Knauf Armstrong offers standard metal solutions in a wide range of square and rectangular ceiling panels providing a contemporary look. Configurable metal solutions provide versatile shapes and dimensions which can meet the specific design needs of your project. Metal custom options may not apply to all modules, shapes or sizes. Contact us for more information.

STANDARD/SEMI-STANDARD

- EFFECTS ON METAL
- METAL CLIP-IN
- METAL LAY-IN
- CELLIO

CANOPIES

- METAL CANOPY
- METAL EASY CANOPY
- METAL D-Clip / METAL D-H 700

CONFIGURABLE

- METAL RECTANGULAR CLIP-IN
- METAL RECTANGULAR HOOK-ON
- METAL CORRIDOR
- METAL LINEAR AND TARTAN
- EXTERIOR METAL SOLUTIONS

BAFFLES

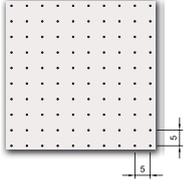
- METAL BAFFLES
- METAL V-P 500 / METAL V-K 500

PERFORATIONS

Knauf Armstrong's metal ceilings range includes 4 standard perforations as well as unperforated tiles.

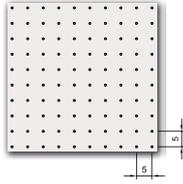
Ultra Microperforation Rg 0501

- Hole diameter: 0.5 mm
- Free area: 0.64 %



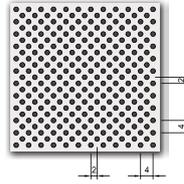
Extra Microperforation Rg 0701

- Hole diameter: 0.7 mm
- Free area: 1.5 %



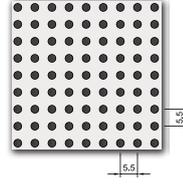
Microperforation Rd 1522

- Hole diameter: 1.5mm
- Open area: 22%



Standard Perforation Rg 2516

- Hole diameter: 2.5mm
- Open area: 16%

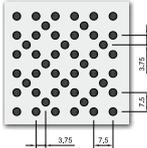


In addition to the standard perforation offer, Knauf Armstrong has an extensive range of further perforations offering a wide range of aesthetic solutions, from large perforations for specialised uses such as air flow or loud speakers to slotted perforations for a more linear appearance. Below is a sample of just some of the other perforations available. For more information on all our perforations, please contact us.

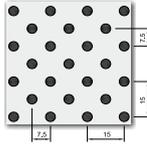
SonoPerf D®



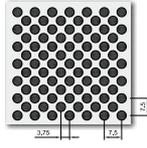
Rd 3019



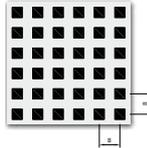
Rd 4011



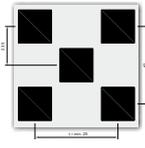
Rd 4045



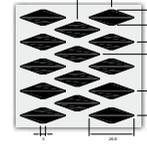
Qg 4025



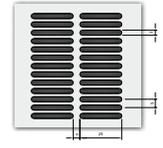
Qd 20034



Tv 26845



Lg 25042



For more information on all our perforations, please contact us.

The acoustic performance of metal ceilings is based on a combination of the perforations and the acoustic infill. See the following page for details on acoustic solutions.

COLOURS

Standard and semi-standard colours

Knauf Armstrong's standard colour for metal ceilings is RAL 9010 (Pure White). We also have a choice of semi-standard colours available, plus a full range of custom colours from the RAL and NCS range for your bespoke requirements.



RAL 9010



RAL 9006



RAL 9007

Effects on Metal

Effects on Metal are suitable for prestigious high end projects. Knauf Armstrong's standard offer includes 7 standard metal effects available in 3 different systems: METAL Q-Clip, METAL Q-Clip F and METAL Axial Vector perforated or unperforated.

Configurable solutions are available on request.



Bronze Effect (BZ)



Chrome Effect (AM)



Ash (ASH)



Natural Bamboo (BAM)



Caramel Bamboo (CBA)



Maple (MAP)



Oak (OAK)



American Cherry (CHE)



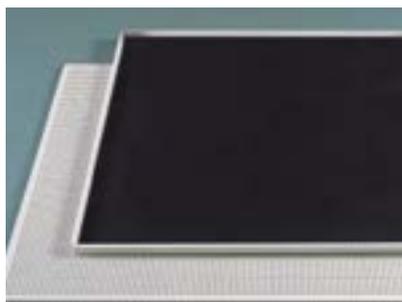
American Walnut (WAL)



Special colours

Knauf Armstrong offer all RAL and NCS colours for your custom solutions.

ACOUSTICS



STANDARD FLEECE

Non-woven acoustic fleece provide a cost effective solution for general sound absorption requirements. As a solution that is bonded to the reverse of the metal tile it helps eliminate pattern staining issues that may occur with loose laid solutions.



PREMIUM B15

Specially developed 15 mm thick Premium B15 infills optimise absorption performance with high room to room sound attenuation.



PREMIUM OP19

Specially developed 19 mm thick Premium OP19 infills provides a high sound absorption performance, achieving up to Class A.

The bonded construction of a metal ceiling tile with a Premium B15 / Premium OP19 infill reduces 'pattern staining' associated with incorrectly fitted mineral wool type acoustic pads.

ACOUSTIC PADS

Knauf Armstrong offers a wide range of different acoustic pad solutions in a variety of types, thicknesses and densities. Contact us for more information.

ACOUSTIC INFILL PERFORMANCE SUMMARY

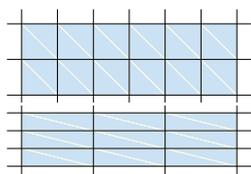
Perforation	Infill														
	No infill			Acoustic Fleece			Premium B15			Premium OP19			Acoustic Pads ¹		
	D _{nfw}	α _w	Class	D _{nfw}	α _w	Class	D_{nfw}	α_{w}	Class	D_{nfw}	α_{w}	Class	D_{nfw}	α_{w}	Class
Rg 0501 Ultra Microperforated	18 dB	0.45(L)	D	-	-	-	-	-	-	-	-	-	-	-	-
Rg 0701 Extra Microperforated	18 dB	0.45(L)	D	21 dB	0.55(L)	D	40 dB	0.70	C	31 dB	0.65	C	-	-	-
Rd 1522 Microperforated	13 dB	0.15	E	16 dB	0.70	C	41 dB	0.60(H)	C	27 dB	1.00	A	24 dB	0.80(H)	B
Rg 2516 Standard perforated	13 dB	0.15	E	18 dB	0.75(L)	C	41 dB	0.60(H)	C	28 dB	0.95	A	24 dB	0.80(H)	B

¹ 8mm x 100kg/m³ pad for Axal Vector.

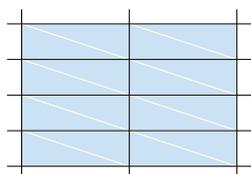
Other standard pad solutions available on request providing up to Class A absorption and Dnfw 27 dB.

SHAPES AND SYSTEMS

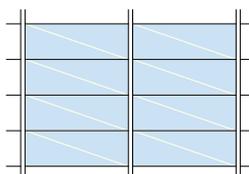
Square & rectangular tiles



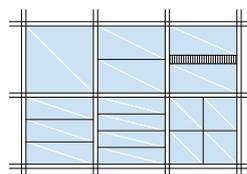
Rectangular panels



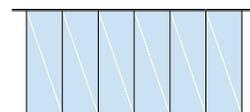
Linear grid



Tartan grid



Corridor ceilings



PERFORMANCE COATINGS



METAL BIOGUARD

Metal BioGuard is a range of metal ceiling tiles designed for applications where a suspended ceiling is required and hygiene and cleanliness are of the utmost importance.

- Metal BioGuard is more effective in the control of bacteria than a standard powder coating because it prevents the settlement of bacteria on the surface of the tile.
- Metal BioGuard provides good cleanability and resistance to disinfectants as well as clean room performance.

For more information, please contact us.



TRIOGUARD™ DIRT RESISTANT COATING



TrioGuard™ dirt resistant coating protects the ceiling from dirt build-up and colour fading, maintaining its original look for longer. Available in several metal designs and a wide choice of factory fitted acoustic infill options.

- Unique dirt resistant powder-painted finish with a lasting “just like new” appearance
- Lower maintenance costs and easy to clean
- Colour stable - Keeping its original colour for up to 10 years⁽¹⁾

⁽¹⁾ Tested using ASTM D4674: Standard Practice for Accelerated Testing for Colour Stability (10 year simulation).

FIRE / SEISMIC / IMPACT RESISTANT / EXTERIOR



Fire resistant

Metal F-H 600 Swing
E130 fire resistant ceiling
for corridors
Tested and classified to
meet EI 30 (a <-> b), in
accordance with EN 13501-2.



Seismic

Our seismic solutions provide the additional security required for seismic resistance. Use our specifically designed elements for maximum performance with minimised installation complexity.



Exterior

Choose the ultimate in durability from our selection of exterior ceiling products. Our exterior ceiling tiles are tested for wind lift and engineered to be washable, scrubbable and soil-resistant. Paired with grid designed for exterior use, it's a complete system you can rely on to meet the demands of exterior performance.



Impact resistant

Ceiling tiles installed in areas like school corridors and gymnasiums need to withstand occasional abuse, including surface impact. Our specially adapted Metal R-H 200 solution can provide this durability feature.



KNAUF ARMSTRONG EFFECTS ON METAL

A decorative range of metal ceiling panels that feature a choice of metallic and wood effect finishes for installation on U-Profile + DP12 A-Bar and DONN® suspension system.

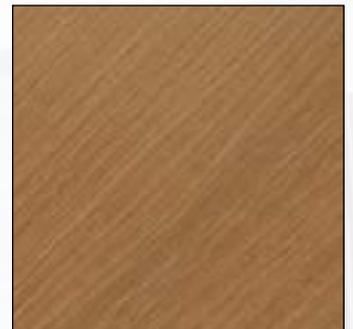
OFFICE
Blake House (UK)
Metal MicroLook 8 Oak Wood Effect

Key features

- Suitable for prestigious high end projects
- 9 metal effects available: Bronze, Chrome, Ash, Natural Bamboo, Caramel Bamboo, Maple, Oak, American Cherry and American Walnut
- 3 systems available: Axal Vector, Q-Clip F, S-Clip F
- Perforated or unperforated
- Configurable solutions available on request

Application areas

Used in a variety of ceiling area: from small service rooms to large commercial office buildings.



KNAUF ARMSTRONG EFFECTS ON METAL

	METAL LAY-IN		METAL CLIP-IN																																												
EDGE DETAIL	METAL AXIAL VECTOR		METAL Q-CLIP F	METAL S-CLIP F																																											
MODULES (mm) & PERFORATIONS	Unperforated 600 x 600 300 x 1200 9418M* 2056M* 3707M*																																													
	Extra Microperforation Rg 0701 600 x 600 300 x 1200 Ø: 0.7 mm Open area: 1.5% 2118F* 2083F* 3716MF*																																													
SUSPENSION SYSTEMS	DONN® DX 24 System C		U-Profile + DP12 A-Bar																																												
EFFECTS																																															
	*Choose desired effect and add to item code e.g. 9418M OAK.																																														
SUSTAINABILITY	 ≤ 30	 A+	 E1																																												
ACOUSTICS				<table border="1"> <thead> <tr> <th></th> <th>D_{nfw}</th> <th>R_w</th> <th>α_w</th> <th>Class</th> <th>NRC</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td>Unperforated</td> <td>44 dB</td> <td>19 dB</td> <td>0.10(L)</td> <td>NC</td> <td>0.10</td> <td>0.25</td> <td>0.15</td> <td>0.05</td> <td>0.05</td> <td>0.10</td> <td>0.10</td> </tr> <tr> <td>Extra Microperforation Rg 0701 + Fleece</td> <td>21 dB</td> <td>10 dB</td> <td>0.55(L)</td> <td>D</td> <td>0.65</td> <td>0.45</td> <td>0.70</td> <td>0.70</td> <td>0.55</td> <td>0.55</td> <td>0.45</td> </tr> </tbody> </table>									D_{nfw}	R_w	α_w	Class	NRC	125	250	500	1000	2000	4000	Unperforated	44 dB	19 dB	0.10(L)	NC	0.10	0.25	0.15	0.05	0.05	0.10	0.10	Extra Microperforation Rg 0701 + Fleece	21 dB	10 dB	0.55(L)	D	0.65	0.45	0.70	0.70	0.55	0.55	0.45
	D_{nfw}	R_w	α_w	Class	NRC	125	250	500	1000	2000	4000																																				
Unperforated	44 dB	19 dB	0.10(L)	NC	0.10	0.25	0.15	0.05	0.05	0.10	0.10																																				
Extra Microperforation Rg 0701 + Fleece	21 dB	10 dB	0.55(L)	D	0.65	0.45	0.70	0.70	0.55	0.55	0.45																																				
FIRE REACTION	 EEA Euroclass A2-s1, d0 EN 13501-1																																														
OTHER PERFORMANCES & FEATURES	 95% RH	 Q-Clip unperforated only		 5 kg/m² Steel tile																																											
CUSTOM OPTIONS	 Dimensions	 Acoustic Infills	 Security	 Seismic	 Effects																																										



KNAUF ARMSTRONG METAL CLIP-IN

METAL Q-CLIP, METAL Q-CLIP F, METAL S-CLIP F, METAL T-CLIP F

Square and rectangular tiles available in a variety of perforations and edge details for installation using Armstrong U-Profile + DP12 A-Bar and C-Channel + Spring-T suspension systems.

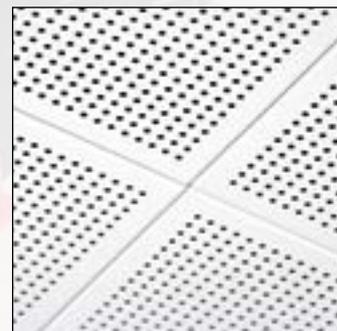
Key features

- Plain, monolithic surface, with no gap
- Downwardly demountable with demounting tool
- Can be installed in low ceiling void
- System height approximately 100 mm
- Easy to clean surface
- For easy access, Metal Q-Clip and Metal Q-Clip F products can be ordered with the 'window' swing down function
- All Clip-In products (except Metal S-Clip F) can be locked by a separate security clip
- Tiles available with square edge option
 METAL Q-Clip: square edged
 METAL Q-Clip F / METAL S-Clip: 3 mm bevel
 METAL T-Clip F: 5 mm bevel

Application areas

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

OFFICE
 Birmingham County Council (UK)
 METAL Clip-In

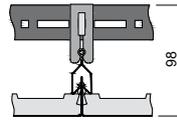


KNAUF ARMSTRONG METAL CLIP-IN

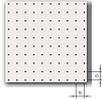
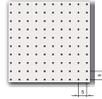
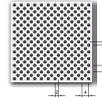
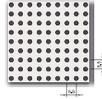
METAL Q-CLIP

EDGE DETAIL

METAL Q-CLIP



MODULES (mm)	600 x 600 3809M	..... 4955M	..... 2094MF	..... 3811MF	..... 3810MF
	625 x 625 3809D	..... 4955D	..... 2094DF	..... 3811DF	..... 3810DF

PERFORATIONS	Unperforated	Ultra Microperforation Rg 0501	Extra Microperforation Rg 0701	Microperforation Rd 1522	Standard Perforation Rg 2516
		Ø: 0.5 mm Open area: 0.64% 	Ø: 0.7 mm Open area: 1.5% 	Ø: 1.5 mm Open area: 22% with 20 mm Unperforated border 	Ø: 2.5 mm Open area: 16% with 20 mm Unperforated border 

ACOUSTIC INFILLS

---M/D = No infill

---MF/DF = Acoustic fleece

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

COLOURS



RAL 9010



RAL 9006

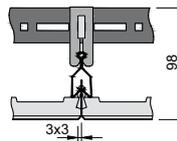


RAL 9007

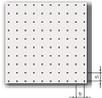
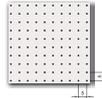
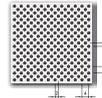
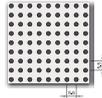
METAL Q-CLIP F

EDGE DETAIL

METAL Q-CLIP F



MODULES (mm)	500 x 500 2059M	..... 4956M	..... 2086MF	..... 2078MF	..... 2069MF
	600 x 600 2056M	..... 4957M	..... 2083MF	..... 2076MF	..... 2067MF
	600 x 300 2058M	..... 4958M	..... 2085MF	..... 2077MF	..... 2068MF
	625 x 625 2056D	..... 4957D	..... 2083DF	..... 2076DF	..... 2067DF
	625 x 312.5 2058D	..... 4958D	..... 2085DF	..... 2077DF	..... 2068DF

PERFORATIONS	Unperforated	Ultra Microperforation Rg 0501	Extra Microperforation Rg 0701	Microperforation Rd 1522	Standard Perforation Rg 2516
		Ø: 0.5 mm Open area: 0.64% 	Ø: 0.7 mm Open area: 1.5% 	Ø: 1.5 mm Open area: 22% with 20 mm Unperforated border 	Ø: 2.5 mm Open area: 16% with 20 mm Unperforated border 

ACOUSTIC INFILLS

---M/D = No infill

---MF/DF = Acoustic fleece

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

COLOURS



RAL 9010



RAL 9006

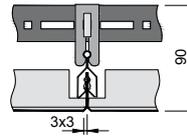


RAL 9007

METAL S-CLIP F

EDGE DETAIL

METAL S-CLIP F



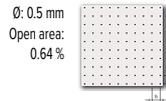
MODULES (mm)	600 x 600	..... 2091M	..... 4959M	2770MF / MP / MPOP/ 4959M	.. 2093M / MF / MP / MPOP	.. 2092M / MF / MP / MPOP
	625 x 625	..... 2091D	..... 4959D	..... 2770DF / 4959D	..... 2093DF	..... 2092D / DF
	625 x 312.5	..... 3801D	..... 4960D	..... 3804DF / 4960D	..... 3803DF	..... 3802D / DF
	300 x 900	..... 3706M		..... 3715MF / MP / MPOP	..... 3712M / MF / MP / MPOP	.. 3709M / MF / MP / MPOP
	300 x 1200	..... 3707M		..... 3716MF / MP / MPOP	..... 3713M / MF / MP / MPOP	.. 3710M / MF / MP / MPOP
	300 x 1500	..... 3708M		..... 3717MF / MP / MPOP	..... 3714M / MF / MP / MPOP	.. 3711M / MF / MP / MPOP

PERFORATIONS

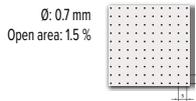
Unperforated



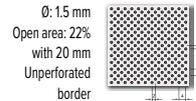
Ultra Microperforation Rg 0501



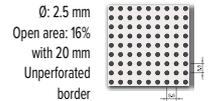
Extra Microperforation Rg 0701



Microperforation Rd 1522



Standard Perforation Rg 2516



ACOUSTIC INFILLS

---M / D = No infill

---MF / DF = Acoustic fleece

---MP / DP = Premium B15

---MPOP / DPOP = Premium OP19

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

COLOURS



RAL 9010



RAL 9006

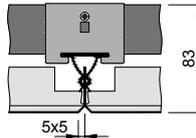


RAL 9007

METAL T-CLIP F

EDGE DETAIL

METAL T-CLIP F



MODULES (mm)	500 x 500	..... 9301M	..... 2746MF / MP / MPOP	..... 9428M / MF / MP / MPOP	..... 9309M / MF / MP / MPOP
	600 x 600	..... 9300M	..... 2744MF / MP / MPOP	..... 9337M / MF / MP / MPOP	..... 9308M / MF / MP / MPOP
	600 x 300	..... 4330M	..... 2747MF / MP / MPOP	..... 4332M / MF / MP / MPOP	..... 4311M / MF / MP / MPOP
	675 x 675	..... 2052M	..... 2745MF / MP / MPOP	..... 2054M / MF / MP / MPOP	..... 2053M / MF / MP / MPOP
	750 x 750	..... 2575M	..... 2756MF / MP / MPOP	..... 2577M / MF / MP / MPOP	..... 2576M / MF / MP / MPOP

Additional rectangular modules available

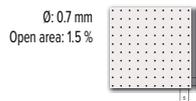
300 x 1200	..... 9304M	..... 2748MF / MP / MPOP	..... 9430M / MF / MP / MPOP	..... 9312M / MF / MP / MPOP
600 x 1200	..... 4314M	..... 2750MF / MP / MPOP	..... 4316M / MF / MP / MPOP	..... 4315M / MF / MP / MPOP
300 x 1500	..... 9305M	..... 2749MF / MP / MPOP	..... 9431M / MF / MP / MPOP	..... 9313M / MF / MP / MPOP

PERFORATIONS

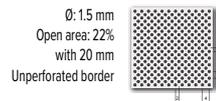
Unperforated



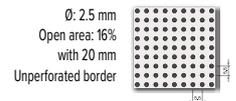
Extra Microperforation Rg 0701



Microperforation Rd 1522



Standard Perforation Rg 2516



ACOUSTIC INFILLS

---M / D = No infill

---MF / DF = Acoustic fleece

---MP / DP = Premium B15

---MPOP / DPOP = Premium OP19

SUSPENSION SYSTEMS

C-Channel + Spring T

COLOURS



RAL 9010



RAL 9006



RAL 9007

KNAUF ARMSTRONG METAL CLIP-IN

SUSTAINABILITY



≤ 30



A+
Premium B15 / OP19: A



E1

ACOUSTICS



EN ISO 10848-2
& EN ISO 717-1



EN ISO 140-3
& EN ISO 717-1



EN ISO 354
& EN ISO 11654

	Hz α_p										
	D_{nfw}	R_w	α_w	Class	NRC	125	250	500	1000	2000	4000
Unperforated	44 dB	19 dB	0.10 (L)	NC	0.10	0.25	0.15	0.05	0.05	0.10	0.10
Ultra Microperforation Rg 0501	18 dB	8 dB	0.45 (L)	D	0.55	0.25	0.65	0.65	0.40	0.40	0.35
Extra Microperforation Rg 0701 + Fleece	21 dB	10 dB	0.55 (L)	D	0.65	0.45	0.70	0.70	0.55	0.55	0.45
Extra Microperforation Rg 0701 + B15	40 dB	20 dB	0.65	C	0.60	0.40	0.45	0.55	0.70	0.80	0.70
Extra Microperforation Rg 0701 + OP19	31 dB	15 dB	0.70	C	0.75	0.50	0.70	0.80	0.75	0.70	0.50
Microperforation Rd 1522	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Microperforation Rd 1522 + Fleece	16 dB	6 dB	0.70	C	0.70	0.30	0.65	0.90	0.65	0.70	0.75
Microperforation Rd 1522 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.40	0.50	0.65	0.75	0.90
Microperforation Rd 1522 + OP19	27 dB	12 dB	1.00	A	0.90	0.50	0.80	0.95	0.95	1.00	1.00
Standard Perforation Rg 2516	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Standard Perforation Rg 2516 + Fleece	18 dB	8 dB	0.75 (L)	C	0.80	0.35	0.80	0.95	0.70	0.75	0.75
Standard Perforation Rg 2516 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.45	0.50	0.65	0.75	0.90
Standard Perforation Rg 2516 + OP19	28 dB	13 dB	0.95	A	0.90	0.50	0.80	0.95	0.90	1.00	0.95

FIRE REACTION



EEA White RAL 9010
 Unperforated / Perforated + no infill A1
 Perforated + Premium B15 A2-s1,d0
 Perforated + Acoustic Fleece A2-s2,d0
 Perforated + Premium OP19 A2-s2,d0
 EN 13501-1

For other colours / perforations, please contact us.

OTHER PERFORMANCES & FEATURES



95% RH



Unperforated: 85%
 Rg 0501: 83%
 Rg 0701: 80%
 Rg 2516: 70%
 Rd 1522: 65%



≈ 5.2 kg/m²



EN 12667
& ISO 6301

$\lambda = 0.244$ W/m K (unperforated / perforated + no infill)
 $\lambda = 0.163$ W/m K (perforated + fleece)
 $\lambda = 0.0731$ W/m K (perforated + Premium B15)



METAL Q-Clip /
 METAL Q-Clip F
 unperforated
 = ISO 3



CUSTOM OPTIONS



Colours



Perforations



BioGuard



TrioGuard



Effects



Acoustic
 Infills



Security



Seismic



Swing-Down
 Function



Exterior
 Solutions

Not all custom options may be available on all products / systems / dimensions.
 For further information about custom metal, please contact us.



KNAUF ARMSTRONG METAL LAY-IN

METAL BOARD, METAL TEGULAR, METAL MICROLOOK

Available in a variety of edge details for installation on DONN® suspension systems.

OFFICE
Slimming World Headquarters (UK)
METAL Tegular Microperforated

Key features

- 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
- Lay-In system is fast and easy to install in standard DONN® grid.

Application areas

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

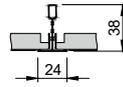


KNAUF ARMSTRONG METAL LAY-IN

METAL BOARD

EDGE DETAIL

METAL BOARD



MODULES (mm)	600 x 600	600 x 600	625 x 625	600 x 1200	600 x 1200					
	2119M	9334M	2119D	2124M	2123M	4961M	4961D	2771MF / MP / MPOP	2133M / F	2126M / MF
									9427M / MF / MP / MPOP	9335M / MF / MP / MPOP
									2133D / DF	2126D / DF
									2134M / MF	2127M / MF
									2132M / MF / MP / MPOP	2125M / MF / MP / MPOP

PERFORATIONS

Unperforated



Ultra Microperforation Rg 0501

Ø: 0.5 mm
Open area:
0.64 %



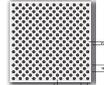
Extra Microperforation Rg 0701

Ø: 0.7 mm
Open area: 1.5 %



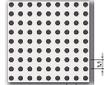
Microperforation Rd 1522

Ø: 1.5 mm
Open area: 22%
with 20 mm
Unperforated
border



Standard Perforation Rg 2516

Ø: 2.5 mm
Open area: 16%
with 20 mm
Unperforated
border



ACOUSTIC INFILLS

---M/D = No infill

---MF/DF = Acoustic fleece

---MP/DP = Premium B15

---MPOP/DPOP = Premium OP19

SUSPENSION SYSTEMS

DONN® DXB 24 Butt Cut System C

COLOURS

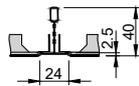


RAL 9010

METAL TEGULAR

EDGE DETAIL

METAL TEGULAR 2



MODULES (mm)	600 x 600	600 x 600	625 x 625							
	2168M	9442M	2168D	4965M	4965D	2172M / MF	2172M / MF	2172M / MF	2172M / MF	2171M / MF
						9444M / MF / MP / MPOP	9444M F / MP / MPOP	9444M F / MP / MPOP	9444M F / MP / MPOP	9443M / MF / MP / MPOP
						2172 D / DF	2172DF	2172DF	2172DF	2171D / DF

PERFORATIONS

Unperforated



Ultra Microperforation Rg 0501

Ø: 0.5 mm
Open area:
0.64 %



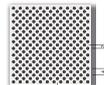
Extra Microperforation Rg 0701

Ø: 0.7 mm
Open area: 1.5 %



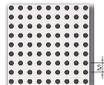
Microperforation Rd 1522

Ø: 1.5 mm
Open area: 22%
with 20 mm
Unperforated
border



Standard Perforation Rg 2516

Ø: 2.5 mm
Open area: 16%
with 20 mm
Unperforated
border



ACOUSTIC INFILLS

---M/D = No infill

---MF/DF = Acoustic fleece

---MP/DP = Premium B15

---MPOP/DPOP = Premium OP19

SUSPENSION SYSTEMS

DONN® DXB 24 Butt Cut System C

COLOURS



RAL 9010

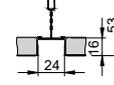
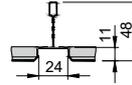
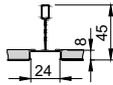
METAL TEGULAR

EDGE DETAIL

METAL TEGULAR 8

METAL TEGULAR 11F

METAL TEGULAR 16



MODULES (mm)

Tegular 8

500 x 500	4833M
600 x 600	9683M
675 x 675	2138M
300 x 1200	3726M
600 x 1200	3727M

Tegular 11F

600 x 600	2147M	4966M
625 x 625	2147D	4966D
600 x 1200	3836M	

Tegular 16

500 x 500	4803M
600 x 600	9680M
675 x 675	2135M
750 x 750	2582M

2784MF / MP / MPOP
2783MF / MP / MPOP
2785MF / MP / MPOP
3732MF / MP / MPOP
3733MF / MP / MPOP

4835M / MF / MP / MPOP
9685M / MF / MP / MPOP
2140M / MF / MP / MPOP
3730M / MF / MP / MPOP
3731M / MF / MP / MPOP

4834M / MF / MP / MPOP
9684M / MF / MP / MPOP
2139M / MF / MP / MPOP
3728M / MF / MP / MPOP
3729M / MF / MP / MPOP

3839MF	2150M / MF	2149M / MF
3839DF	2150D / DF	2149D / DF
3840MF	3838M / MF	3837M / MF

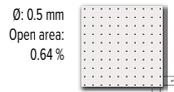
2781MF / MP / MPOP	4805M / MF / MP / MPOP	4804M / MF / MP / MPOP
279MF / MP / MPOP	9682M / MF / MP / MPOP	9681M / MF / MP / MPOP
2780MF / MP / MPOP	2137M / MF / MP / MPOP	2136M / MF / MP / MPOP
2782MF / MP / MPOP	2584M / MF / MP / MPOP	2583M / MF / MP / MPOP

PERFORATIONS

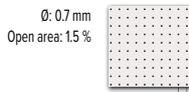
Unperforated



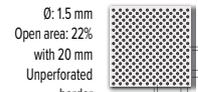
Ultra Microperforation Rg 0501



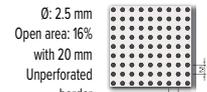
Extra Microperforation Rg 0701



Microperforation Rd 1522



Standard Perforation Rg 2516



ACOUSTIC INFILLS

---M / D = No infill

---MF / DF = Acoustic fleece

---MP / DP = Premium B15

---MPOP / DPOP = Premium OP19

SUSPENSION SYSTEMS

DONN® DX 24 System C
DONN® DXB 24 Butt Cut System C

COLOURS



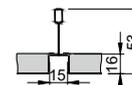
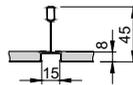
RAL 9010

METAL MICROLOOK

EDGE DETAIL

METAL MICROLOOK 8

METAL MICROLOOK 16



MODULES (mm)

MicroLook 8

500 x 500	2176M	4962M
500 x 500	9321M	
600 x 600	2175M	4963M
600 x 600	9320M	
675 x 675	2165M	
750 x 750	2588M	
300 x 1200	3718M	
600 x 1200	3719M	

MicroLook 16

500 x 500	2190M	4964M
600 x 600	2189M	
600 x 600	4700M	
675 x 675	2144M	
750 x 750	2585M	

2187MF
2792MF / MP / MPOP
2185MF
2184MF / MP / MPOP
2793MF / MP / MPOP
2794MF / MP / MPOP
3724MF / MP / MPOP
3725MF / MP / MPOP

2183M / MF
9325M / MF / MP / MPOP
2182M / MF
9324M / MF / MP / MPOP
2210M / MF / MP / MPOP
2590M / MF / MP / MPOP
3722M / MF / MP / MPOP
3723M / MF / MP / MPOP

2180M / MF
9436M / MF / MP / MPOP
2179M / MF
9339M / MF / MP / MPOP
2208M / MF / MP / MPOP
2589M / MF / MP / MPOP
3720M / MF / MP / MPOP
3721M / MF / MP / MPOP

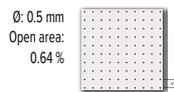
2788MF / MP / MPOP	2207M / MF / MP / MPOP	2194M / MF / MP / MPOP
2211MF	2209M / MF	2206M / MF
2787MF / MP / MPOP	4702M / MF / MP / MPOP	4701M / MF / MP / MPOP
2791MF / MP / MPOP	2153M / MF / MP / MPOP	2152M / MF / MP / MPOP
2789MF / MP / MPOP	2587M / MF / MP / MPOP	2586M / MF / MP / MPOP

PERFORATIONS

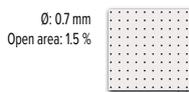
Unperforated



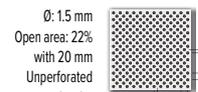
Ultra Microperforation Rg 0501



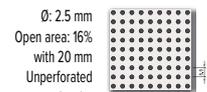
Extra Microperforation Rg 0701



Microperforation Rd 1522



Standard Perforation Rg 2516



ACOUSTIC INFILLS

---M / D = No infill

---MF / DF = Acoustic fleece

---MP / DP = Premium B15

---MPOP / DPOP = Premium OP19

SUSPENSION SYSTEMS

DONN® DX 15 System C
DONN® DXB 15 Butt Cut System C

COLOURS



RAL 9010

KNAUF ARMSTRONG METAL LAY-IN

SUSTAINABILITY



EN ISO 14021
≤ 30



A+
Premium B15 / OP19: A



E1

ACOUSTICS



EN ISO 10848-2
& EN ISO 717-1



EN ISO 140-3
& EN ISO 717-1



EN ISO 354
& EN ISO 11654

	Hz α_w										
	D_{nfw}	R_w	α_w	Class	NRC	125	250	500	1000	2000	4000
Unperforated	44 dB	19 dB	0.10 (L)	NC	0.10	0.25	0.15	0.05	0.05	0.10	0.10
Ultra Microperforation Rg 0501	18 dB	8 dB	0.45 (L)	D	0.55	0.25	0.65	0.65	0.40	0.40	0.35
Extra Microperforation Rg 0701 + Fleece	21 dB	10 dB	0.55 (L)	D	0.65	0.45	0.70	0.70	0.55	0.55	0.45
Extra Microperforation Rg 0701 + B15	40 dB	20 dB	0.65	C	0.60	0.40	0.45	0.55	0.70	0.80	0.70
Extra Microperforation Rg 0701 + OP19	31 dB	15 dB	0.70	C	0.75	0.50	0.70	0.80	0.75	0.70	0.50
Microperforation Rd 1522	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Microperforation Rd 1522 + Fleece	16 dB	6 dB	0.70	C	0.70	0.30	0.65	0.90	0.65	0.70	0.75
Microperforation Rd 1522 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.40	0.50	0.65	0.75	0.90
Microperforation Rd 1522 + OP19	27 dB	12 dB	1.00	A	0.90	0.50	0.80	0.95	0.95	1.00	1.00
Standard Perforation Rg 2516	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Standard Perforation Rg 2516 + Fleece	18 dB	8 dB	0.75 (L)	C	0.80	0.35	0.80	0.95	0.70	0.75	0.75
Standard Perforation Rg 2516 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.45	0.50	0.65	0.75	0.90
Standard Perforation Rg 2516 + OP19	28 dB	13 dB	0.95	A	0.90	0.50	0.80	0.95	0.90	1.00	0.95

FIRE REACTION



EEA White RAL 9010
 Unperforated / Perforated + no infill A1
 Perforated + Premium B15 A2-s1,d0
 Perforated + Acoustic Fleece A2-s2,d0
 Perforated + Premium OP19 A2-s2,d0
 EN 13501-1

For other colours / perforations, please contact us.

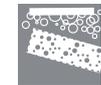
OTHER PERFORMANCES & FEATURES



Unperforated: 85%
 Rg 0501: 83%
 Rg 0701: 80%
 Rg 2516: 70%
 Rd 1522: 65%



95% RH



EN 12667
& ISO 8301

$\lambda = 0.244$ W/m K (unperforated / perforated + no infill)
 $\lambda = 0.163$ W/m K (perforated + fleece)
 $\lambda = 0.0731$ W/m K (perforated + Premium B15)



≈ 5.2 kg/m²



CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Effects



Acoustic Infills



Seismic

Not all custom options may be available on all products / systems / dimensions.
 For further information about custom metal, please contact us.



KNAUF ARMSTRONG METAL LAY-IN METAL AXAL VECTOR

METAL AXAL VECTOR is an easy to install and flexible system which offers a diversity of design and application.

Key features

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

Application areas

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

EDUCATION

Newcastle College Parsons Tower
(UK)
METAL Lay-In Axal Vector

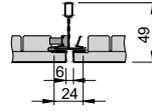


KNAUF ARMSTRONG METAL LAY-IN

METAL AXAL VECTOR

EDGE DETAIL

METAL AXAL VECTOR



MODULES (mm)	500 x 500	600 x 300	600 x 600	675 x 675	750 x 750	3072M	3073M	3074M	3081MF / MP / MPOP	3082MF / MP / MPOP	3083MF / MP / MPOP	3078M / MF / MP / MPOP	3079M / MF / MP / MPOP	3080M / MF / MP / MPOP	3075M / MF / MP / MPOP	2578M	9418M	3076M / MF / MP / MPOP	3077M / MF / MP / MPOP	

PERFORATIONS

Unperforated



Extra Microperforation Rg 0701

Ø: 0.7 mm
Open area: 1.5 %



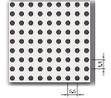
Microperforation Rd 1522

Ø: 1.5 mm
Open area: 22%
with 20 mm
Unperforated border



Standard Perforation Rg 2516

Ø: 2.5 mm
Open area: 16%
with 20 mm
Unperforated border



ACOUSTIC INFILLS

---M / D = No infill

---MF / DF = Acoustic fleece

---MP / DP = Premium B15

---MPOP / DPOP = Premium OP19

---MA = Acoustic Pad

SUSPENSION SYSTEMS

DONN® DX 24 System C

COLOURS



RAL 9010

SUSTAINABILITY



EN ISO 14021

≤ 30



A+

Premium B15 / OP19: A



EN 13964

E1

ACOUSTICS



EN ISO 10848-2
& EN ISO 717-1



EN ISO 140-3
& EN ISO 717-1



EN ISO 354
& EN ISO 11654

Hz α_w

	D_{nfw}	R_w	α_w	Class	NRC	125	250	500	1000	2000	4000
Unperforated	44 dB	19 dB	0.10 (L)	NC	0.10	0.25	0.15	0.05	0.05	0.10	0.10
Extra Microperforation Rg 0701 + Fleece	21 dB	10 dB	0.55 (L)	D	0.65	0.45	0.70	0.70	0.55	0.55	0.45
Extra Microperforation Rg 0701 + B15	40 dB	20 dB	0.65	C	0.60	0.40	0.45	0.55	0.70	0.80	0.70
Extra Microperforation Rg 0701 + OP19	31 dB	15 dB	0.70	C	0.75	0.50	0.70	0.80	0.75	0.70	0.50
Microperforation Rd 1522	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Microperforation Rd 1522 + Fleece	16 dB	6 dB	0.70	C	0.70	0.30	0.65	0.90	0.65	0.70	0.75
Microperforation Rd 1522 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.40	0.50	0.65	0.75	0.90
Microperforation Rd 1522 + OP19	27 dB	12 dB	1.00	A	0.90	0.50	0.80	0.95	0.95	1.00	1.00
Standard Perforation Rg 2516	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Standard Perforation Rg 2516 + Fleece	18 dB	8 dB	0.75 (L)	C	0.80	0.35	0.80	0.95	0.70	0.75	0.75
Standard Perforation Rg 2516 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.45	0.50	0.65	0.75	0.90
Standard Perforation Rg 2516 + OP19	28 dB	13 dB	0.95	A	0.90	0.50	0.80	0.95	0.90	1.00	0.95

FIRE REACTION



EEA

White RAL 9010

Unperforated / Perforated + no infill A1

Perforated + Premium B15 A2-s1,d0

Perforated + Acoustic Fleece A2-s2,d0

Perforated + Premium OP19 A2-s2,d0

EN 13501-1

For other colours / perforations, please contact us.

OTHER PERFORMANCES & FEATURES



Unperforated: 85%
Rg 0701: 80%
Rg 2516: 70%
Rd 1522: 65%



95% RH



≈ 5.2 kg/m²



$\lambda = 0.244$ W/m K (unperforated / perforated + no infill)
 $\lambda = 0.163$ W/m K (perforated + fleece)
 $\lambda = 0.0731$ W/m K (perforated + Premium B15)

EN 12667
& ISO 8301



CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Effects



Acoustic
Infills



Security



Seismic

Not all custom options may be available on all products / systems / dimensions. For further information about custom metal, please contact us.



KNAUF ARMSTRONG METAL RECTANGULAR CLIP-IN

METAL R-CLIP, METAL R-CLIP F, METAL T-CLIP

METAL Rectangular Clip-In provides a versatile and simple design with excellent acoustic performance benefits.

Key features

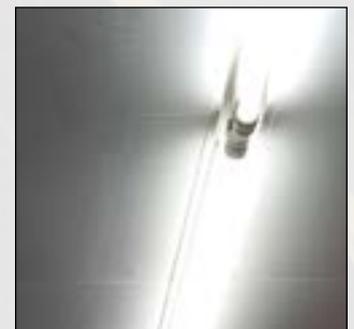
- Concealed grid for a monolithic effect
- Excellent acoustic performance
- Ease of installation (alignment) and fully demountable
- Easy access to the ceiling void
- Maintenance friendly system

Application areas

Suitable for large open plan / circulation areas.

TRANSPORT

Wiener Linien (AT)
Metal R-Clip RAL 9016
with high gloss level

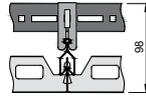


KNAUF ARMSTRONG METAL RECTANGULAR CLIP-IN

METAL R-CLIP

EDGE DETAIL

METAL R-CLIP



DIMENSIONS

Panel length (mm): 600 - 2500 • Panel width (mm): 250 - 600 • Max size (m²): 1.5

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Acoustic Infills



Security



Swing-Down Function



Service Integration

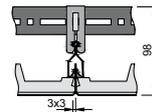


Exterior Solutions

METAL R-CLIP F

EDGE DETAIL

METAL R-CLIP F



DIMENSIONS

1200 x 300 • 1200 x 600 • 1800 x 400

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

CUSTOM OPTIONS



Colours



Perforations



BioGuard



Acoustic Infills



Security



Swing-Down Function



ISO 5



Service Integration

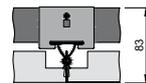


Exterior Solutions

METAL T-CLIP

EDGE DETAIL

METAL T-CLIP



DIMENSIONS

Panel length (mm): 600 - 2500 • Panel width (mm): 300 - 400 - 500 - 600 • Max size (m²): 1.5

SUSPENSION SYSTEMS

C-Channel + Spring-T

CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Acoustic Infills



Security



Service Integration

Not all custom options may be available on all products / systems / dimensions. For further information about custom metal, please contact us.



KNAUF ARMSTRONG METAL RECTANGULAR HOOK-ON

METAL R-H 200, METAL R-H 215

Metal Rectangular Hook-On provides a versatile and simple design with excellent acoustic performance benefits.

OFFICE

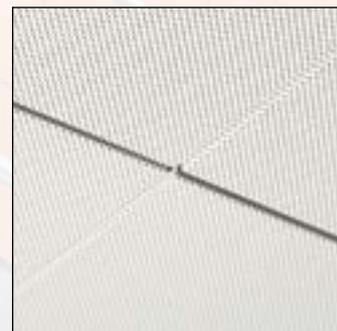
Wirral Waters, Tower Wharf (UK)
Metal R-H 200

Key features

- Concealed grid for a monolithic effect
- Excellent acoustic performance
- Ease of installation (alignment) and fully demountable
- Easy access to the ceiling void
- Maintenance friendly system

Application areas

Suitable for large open plan / circulation areas.

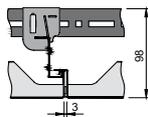


KNAUF ARMSTRONG METAL RECTANGULAR HOOK-ON

METAL R-H 200

EDGE DETAIL

METAL R-H 200



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

U-Profile + J-Bar
Primary Angle + J-Bar (for special solutions)

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Perforations



BioGuard



TrioGuard



Acoustic Infills



Security

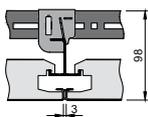


Impact Solutions

METAL R-H 215

EDGE DETAIL

METAL R-H 215



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

U-Profile + H-Profile 35

CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Acoustic Infills



Swing-Down Function

Not all custom options may be available on all products / systems / dimensions. For further information about custom metal, please contact us.



KNAUF ARMSTRONG METAL CORRIDOR

METAL F-CLIP ACCESS, METAL F-H 600, METAL F-L 601

METAL Corridor is a rectangular panel free-span solution that simply spans between the walls, allowing for easy installation and access to services.

Key features

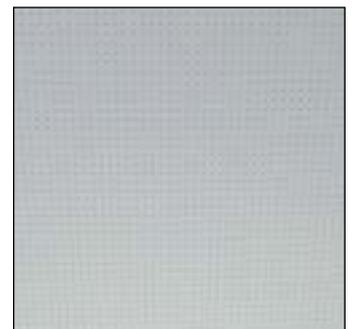
- Various perimeter trim solutions for a clean aesthetic finish
- Adjustable perimeter shadow gap detailing for Metal F-Clip Access and Metal F-H 600
- Easy, quick access to ceiling void due to swing-down functions (Metal F-Clip Access and Metal F-H 600 Swing)
- METAL F-H 600 Swing EI30 fire resistant ceiling (a <-> b)

Application areas

Corridors where the panels simply span between walls.

HOSPITALITY

Moxy Hotel, Centrum Praskie
Koneser, Warsaw (PL)
Metal F-L 601, RAL7016, Rg 0701



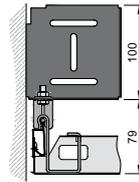
KNAUF ARMSTRONG METAL CORRIDOR

METAL F-CLIP ACCESS

CLIP-IN

EDGE DETAIL

METAL F-CLIP ACCESS



DIMENSIONS

Panel length (mm): 600 - 2500 • Panel width (mm): 250 - 600 • Max size (m²): 1.5

SUSPENSION SYSTEMS

Wall Bracket + Half DP12 A-Bar
Optional Wall Bracket + DP12 A-Bar

CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Acoustic Infills



Security



Service Integration



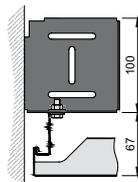
Swing-Down Function

METAL F-H 600

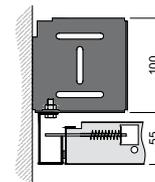
HOOK-ON

EDGE DETAIL

METAL F-H 600



METAL F-H 600 SWING



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

Wall Bracket + J-Bar
Wall Bracket + G-Profile option for Swing function

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Perforations



BioGuard



TrioGuard



Acoustic Infills



Security



Service Integration



Swing-Down Function



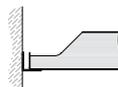
EI30

METAL F-L 601

LAY-IN

EDGE DETAIL

METAL F-L 601



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

Range of various perimeter trims

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Perforations



BioGuard



TrioGuard



Acoustic Infills



Service Integration

Not all custom options may be available on all products / systems / dimensions. For further information about custom metal, please contact us.



KNAUF ARMSTRONG METAL LINEAR AND TARTAN

METAL B-H 300, METAL B-L 302, METAL R-L 201, METAL K-H 400, METAL K-CLIP

METAL Linear combines functionality with stylish simplicity by creating a linear technical zone.

Key features

- C-Profiles can be aligned with partition systems to integrate services
- Remarkably versatile
- Various design options for the profile and panel (linear, radial, crossed)
- Easy access to the ceiling void

Application areas

Used in large office environments and flexible with partitioning systems.

OFFICE
Newcastle College
Parsons Tower (UK)
Metal B-H 300

METAL Tartan is a solution for square and/or rectangular room partitioning.

Key features

- Easily installed and removed
- Grid can be emphasised by using contrasting colours
- C-Profile can connect to the partition systems to integrate lighting systems efficiently
- Decorative solutions achieved through a variety of panel design options (square mega panel, rectangular, triangle)

Application areas

Ideal for breaking up large spaces.



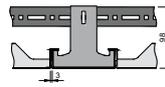
KNAUF ARMSTRONG METAL LINEAR AND TARTAN

METAL B-H 300

HOOK-ON [Linear]

EDGE DETAIL

METAL B-H 300



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

U-Profile + C-Profile
Primary Angle + C-Profile (for special solutions)

CUSTOM OPTIONS



Colours



Dimensions



Perforations



BioGuard



TrioGuard



Acoustic Infills



Swing-Down Function

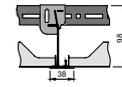
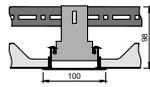
METAL B-L 302 / METAL R-L 201

LAY-IN [Linear]

EDGE DETAIL

METAL B-L 302

METAL R-L 201



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

U-Profile + Bandraster 100 mm

U-Profile + L-Profile
Primary Angle + L-Profile (for special solutions)

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Perforations



BioGuard



TrioGuard



Acoustic Infills



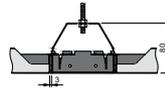
Service Integration

METAL K-H 400

HOOK-ON [Tartan]

EDGE DETAIL

METAL K-H 400



DIMENSIONS

Panel length (mm): 600 - 3300 • Panel width (mm): 247 - 1350 • Max size (m²): 2

SUSPENSION SYSTEMS

Crossing Box + C-Profile

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Perforations



BioGuard



Acoustic Infills



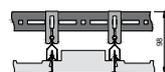
Swing-Down Function

METAL K-CLIP

CLIP-IN [Tartan]

EDGE DETAIL

METAL K-CLIP



DIMENSIONS

700 x 700 • 705 x 705 • 750 x 750 • 1300 x 1300 • 1305 x 1305 • 1350 x 1350

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

CUSTOM OPTIONS



Colours



Perforations



BioGuard



Acoustic Infills



Security Options

Not all custom options may be available on all products / systems / dimensions.
For further information about custom metal, please contact us.



KNAUF ARMSTRONG EXTERIOR METAL SOLUTIONS

Knauf Armstrong's metal exterior ceiling systems are designed to perform in challenging conditions and resist different environmental factors such as high humidity and wind pressure. Ideal for applications such as car parks, stadiums, transport hubs, and exterior walkways. Knauf Armstrong's Metal Clip-In exterior solution is classified for use in C1, C2 and C3 environments as defined in EN ISO 12944-2.

Key features

- Durable exterior polyester powder paint with enhanced UV protection
- Design options — 4 modules available with custom colours and effects available on request
- Security clips to maintain system integrity when subject to wind pressure
- Fully recyclable sustainable system

Application areas

Car parks, stadiums, transport hubs, building entrances and exterior walkways.

RETAIL
Donau Plex, Vienna (AT)
Exterior Metal Solutions



KNAUF ARMSTRONG EXTERIOR METAL SOLUTIONS

EDGE DETAIL	METAL Q-Clip Exterior	METAL Q-Clip F Exterior	METAL R-Clip Exterior	METAL R-Clip F Exterior
MODULES (mm)	600 x 600	600 x 600	1200 x 300 1200 x 600 1500 x 400	1200 x 300 1200 x 600
SUSPENSION SYSTEMS	Clip-In solution with U-Profile + DP12 A-Bar, tiles locked by security clips			
MATERIAL	METAL Q-Clip / METAL Q-Clip F / METAL R-Clip F = galvanised steel 0.5 mm METAL R-Clip 1200x600 / 1500x400 mm = galvanised steel 0.7 mm METAL R-Clip 1200x300 mm = galvanised steel 0.6 mm			
COLOURS				Custom RAL on request. Both sides powder coated for exterior use.
	RAL 9006	RAL 9007	RAL 9010	
SURFACE	Unperforated			
SUSTAINABILITY	 ≤30			
OTHER PERFORMANCES & FEATURES	 Galvanised steel 0.5 mm = 4 kg/m ² Galvanised steel 0.6 mm = 4.8 kg/m ² Galvanised steel 0.7 mm = 5.6 kg/m ²			
CUSTOM OPTIONS	 Colours			

INSTALLATION	METAL Q-CLIP	METAL Q-CLIP F	METAL R-CLIP	METAL R-CLIP F

[2019-12] All sizes are nominal. Product availability may vary. Please contact us or visit www.knaufamf.com for more information.



KNAUF ARMSTRONG METAL CANOPY

Metal Canopy is a range of 3 curved and flat metal canopies – Concave, Convex and Flat. Easily suspended direct from the building structure they can define spaces, accentuate an area, provide a focus or create ceiling sculptures, as well as controlling reverberation within the space.

Key features

- Define and accentuate spaces
- Easy installation
- Adjustable to special heights and angles
- Powder-coated steel panels
- Three panel types — flat, concave and convex
- Durable, easy to clean and maintain
- No visible frame, no visible grid

Application areas

Showrooms, entrance halls, transport hubs, meeting rooms, retail, waiting areas.

HOSPITALITY

FR Hôtel de ville de Chateaugiron
METAL Canopy Concave & Convex



KNAUF ARMSTRONG METAL CANOPY

THICKNESS (mm)

40

SHAPES & SIZES (mm)

Flat	1890 x 1180	.....CS 7010M
Concave	1890 x 1180	.....CS 7011M
Convex	1890 x 1180	.....CS 7012M

Available in 1 piece / carton.

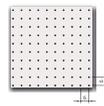
SUSPENSION SYSTEMS

Hanging Wire Kit M6.CS 5550¹

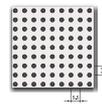
¹ Suspension system included in the canopy carton.

PERFORATIONS

Extra Microperforation Rg 0701



Standard Perforation Rg 2516



Front side: Rg 0701 Extra Microperforation 0.7 mm, 1% open area, for a clean visual
Rear side: Rg 2516 Standard Perforation 2.5 mm, 16% open area, for additional acoustical performance.
 Enclosed acoustical pad 20mm, 25 kg/m³

COLOURS



RAL 9010

SUSTAINABILITY



30



A+



E1

ACOUSTICS

Metal Canopy	Sabines (m ²) ²	1/3 Octave band value (α _s)																		
		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1000 Hz	1250 Hz	1600 Hz	2000 Hz	2500 Hz	3150 Hz	4000 Hz	5000 Hz	
Flat	2.50	0.49	1.00	0.91	1.03	1.38	1.96	2.14	2.54	2.72	2.76	2.76	2.76	2.67	2.74	2.41	2.27	1.96	2.30	
Concave																				
Convex																				

² Average 250-4000 Hz.

FIRE REACTION



EEA Euroclass B-s2, d0
EN 13501-1

OTHER PERFORMANCES & FEATURES



80%



90% RH



Flat:
27 kg/pc
Concave/Convex:
33 kg/pc



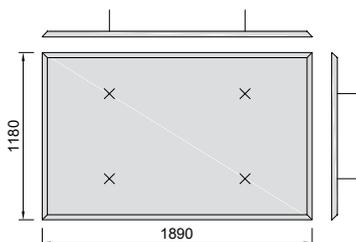
CUSTOM OPTIONS



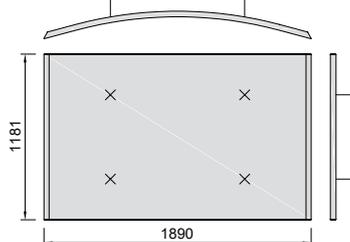
Colours

INSTALLATION

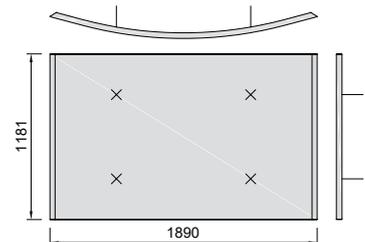
Flat installation



Concave installation



Convex installation



Edge detail

- Curved (concave/convex): Short sides: 47° / Long sides: 90°
 - Flat: all sides 47°



KNAUF ARMSTRONG METAL EASY CANOPY

The METAL EASY Canopy is a flat metal canopy, available in both square and rectangular shapes. It is supplied as a complete kit and is quick and easy to install.

OFFICE
METAL EASY Canopy

Key features

- Metal provides a high value appearance
- Resistant and durable
- Cost effective design solution
- High levels of sound absorption performance

Application areas

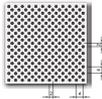
Showrooms, entrance halls, transport hubs, meeting rooms, retail, waiting areas.



KNAUF ARMSTRONG METAL EASY CANOPY

THICKNESS (mm)	51	
MODULES (mm)	1200 x 1200 CS 5169 M 1800 x 1200..... CS 5170 M	Available in 1 piece / carton.

SUSPENSION SYSTEMS	Hanging Wire Kit M6. CS 5550 A
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PERFORATIONS	Microperforation Rd 1522 
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COLOURS	 RAL 9010
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SUSTAINABILITY



EN ISO 14021
30



A+



EN 13964
E1

	Sabines (m ²) ¹	1/3 Octave band value (α _s)																	
		100 Hz	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1000 Hz	1250 Hz	1600 Hz	2000 Hz	2500 Hz	3150 Hz	4000 Hz	5000 Hz
Metal Easy Canopy																			
Square	2.18	0.90	0.80	0.80	1.00	1.10	1.50	1.80	1.90	2.10	2.20	2.30	2.40	2.30	2.30	2.30	2.30	2.30	2.20
Rectangular	3.15	0.80	1.20	1.10	1.60	1.70	2.20	2.50	2.60	2.90	3.10	3.50	3.70	3.30	3.40	3.30	3.40	3.10	3.00

¹ Average 250-4000 Hz.

FIRE REACTION	 EEA Euroclass A1 EN 13501-1
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OTHER PERFORMANCES & FEATURES



65%



95% RH



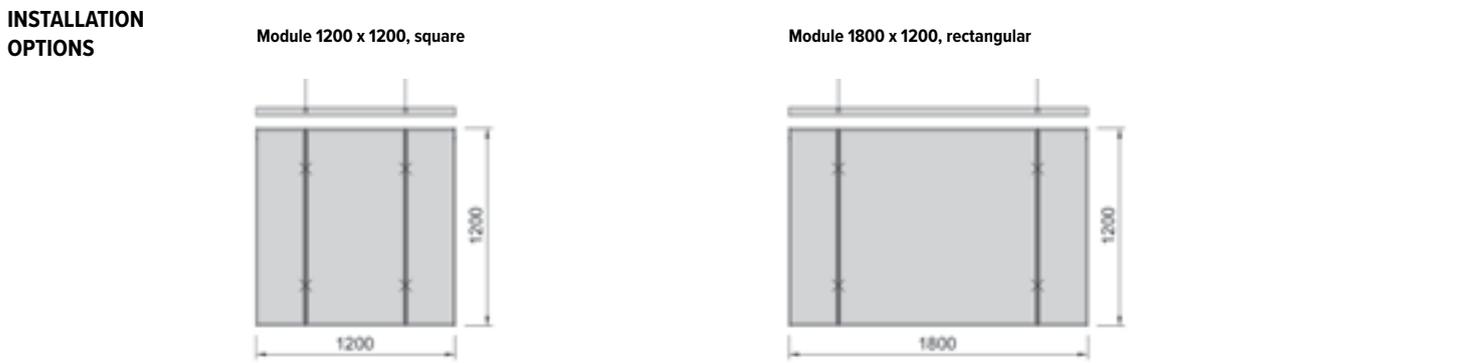




1200 x 1200 mm:
13 kg/pc
1200 x 1800 mm:
21 kg/pc







[2019-12] All sizes are nominal. Product availability may vary. Please contact us or visit www.knaufamf.com for more information.



KNAUF ARMSTRONG METAL D-CLIP / METAL D-H 700

Knauf Armstrong's METAL D-CLIP and METAL D-H 700 systems are floating modular solutions for optimum flexibility. The product range features Clip-In and Hook-On rectangular panels that can be arranged to create distinctive design elements. In combination with Knauf Armstrong's suspension system it allows a minimal-height installation without any extra engineering required.

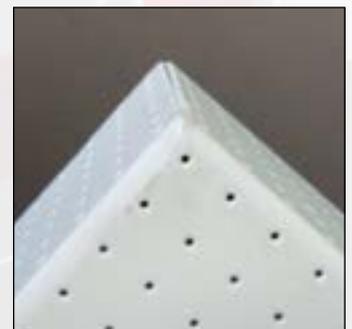
OFFICE
Siemens, Rome (IT)
METAL D-H 700

Key features

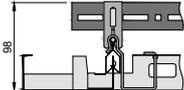
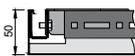
- Modular concept for optimum flexibility
- Low system height
- Modern absorber solution for exposed concrete soffits
- Customisation in size, colours and perforations available on request

Application areas

Offices, meeting rooms, retail, auditoriums, multi-purpose halls, cafeterias.



KNAUF ARMSTRONG METAL D-CLIP / METAL D-H 700

THICKNESS (mm)	METAL D-CLIP	METAL D-H 700
		
DIMENSIONS (mm)	Panel Length: 600 - 2500 Panel Width: 247 - 600 Max size (m ²): 1.5	Panel Length: 600 - 2750 (in steps of 25 mm) Panel Width: 250 - 600 (in steps of 25 mm) Max size (m ²): 1.65
SUSPENSION SYSTEMS	U-Profile + DP12 A-Bar	U-Profile (cross connected)
CUSTOM OPTIONS	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> Colours</div> <div style="text-align: center;"> Dimensions</div> <div style="text-align: center;"> Perforations</div> <div style="text-align: center;"> Acoustic Infills</div> <div style="text-align: center;"> Service Integration</div> <div style="text-align: center;"> Swing-Down Function¹</div> <div style="text-align: center;"> Security¹</div> </div>	

¹ METAL D-Clip standard panel only.

INSTALLATION

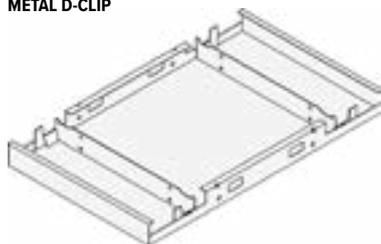


Modular Option

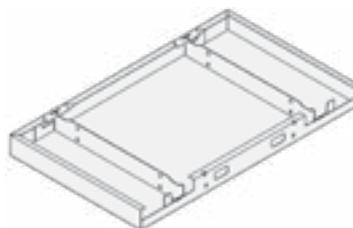


Single Panel

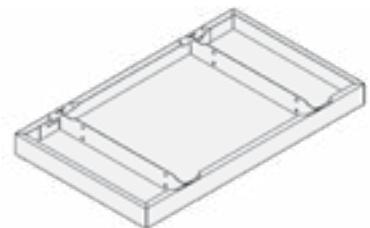
METAL D-CLIP



Standard Panel

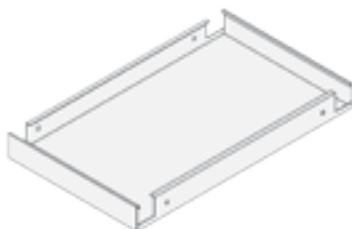


End Panel

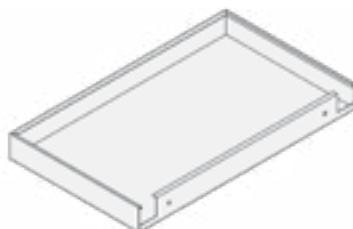


Single Panel

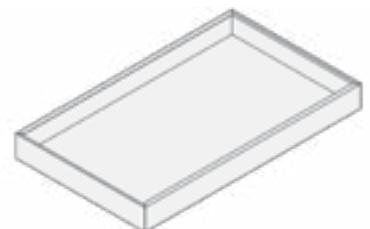
METAL D-H 700



Standard Panel



End Panel



Single Panel



KNAUF ARMSTRONG METAL BAFFLES

METAL BAFFLES provide linear creativity, whilst allowing air flow through to the slab above and are perforated with an acoustic infill for acoustic control.

Key features

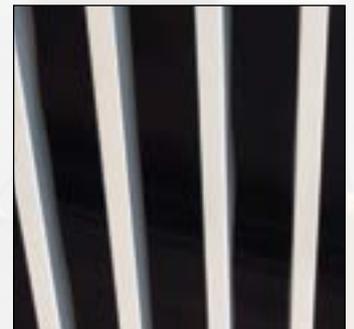
- Modern linear appearance
- Custom perforations, dimensions and configurations available as part of the METAL V-P 500 & METAL V-K 500 Baffle systems
- Excellent acoustic performance: Reduce noise levels, increase speech intelligibility, reduce reverberation time
- Install individually or in groups (METAL V-P 500 system)

- Robust, engineered solution
- Quick and easy to install
- High light reflectance

Application areas

Typically used in acoustically challenged spaces, in airports, rail terminals, semi-exposed soffit buildings, offices, retail, leisure centres, etc.

OFFICE
National Biologics Manufacturing
Centre (UK)
METAL Baffles



KNAUF ARMSTRONG METAL BAFFLES

THICKNESS (mm)	30	
MODULES (mm)	1800 x 300	CS 5128M

Available in 2 pieces / carton.

SUSPENSION SYSTEMS	METAL Baffles Hanging Kit	CS 5136 ¹
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¹ METAL Baffles Hanging Kit not included. Please order accessory kit based on installation configuration. For grouping option, see METAL V-P 500 system.

SUSTAINABILITY



EN ISO 14021
80



A



EN 13964
E1

ACOUSTICS



EN ISO 354 & EN ISO 11654

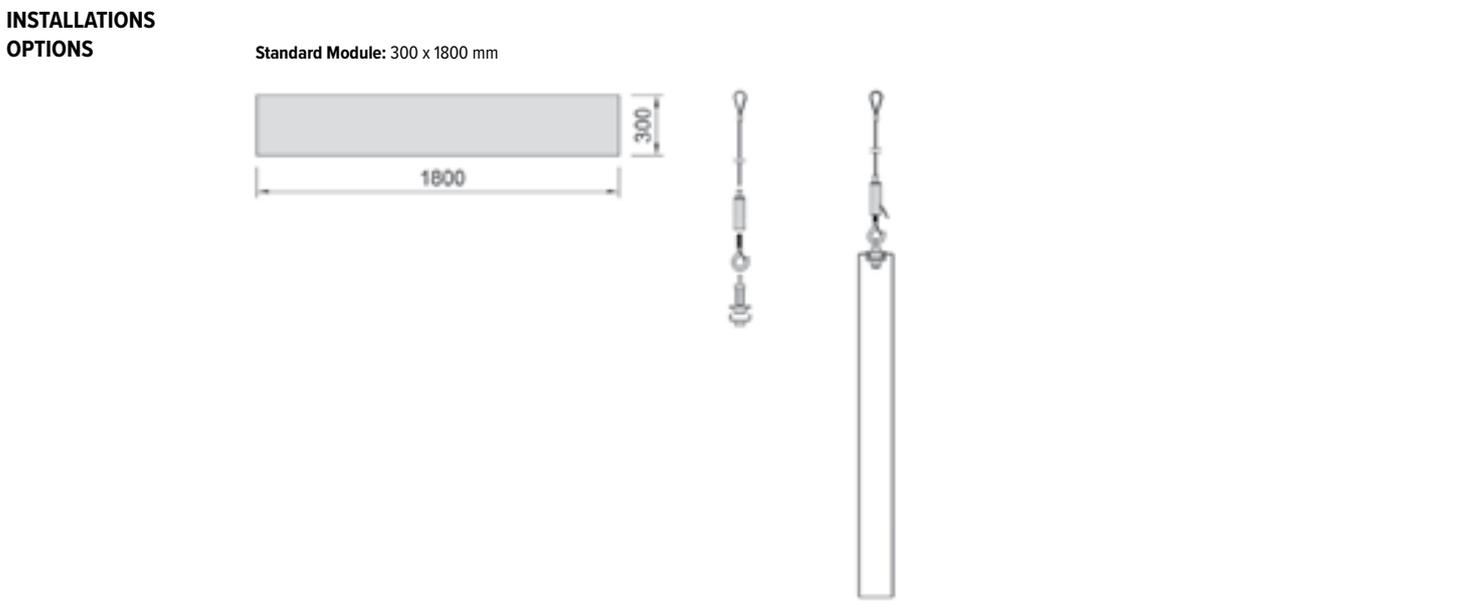
METAL Baffles	α_w	Class	NRC	Octave band value (α_p)					
				125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Baffle row at 300mm centres	0.55(H)	D	0.60	0.15	0.30	0.50	0.70	0.75	0.70

Sabines data for individually hung METAL Baffles available upon request.

FIRE REACTION		EEA Euroclass A2-s1,d0 ² EN 13501-1	² With standard colour and acoustic infill.
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OTHER PERFORMANCES & FEATURES		90% RH		5.7 kg/pc
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CUSTOM OPTIONS		Colours	For further custom baffle options please see METAL V-P 500 / METAL V-K 500 systems.
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[2019-12] All sizes are nominal. Product availability may vary. Please contact us or visit www.knaufamf.com for more information.



KNAUF ARMSTRONG METAL V-P 500 / METAL V-K 500

An acoustic ceiling system well suited to busy and noisy open plan spaces allowing for easy service integration.

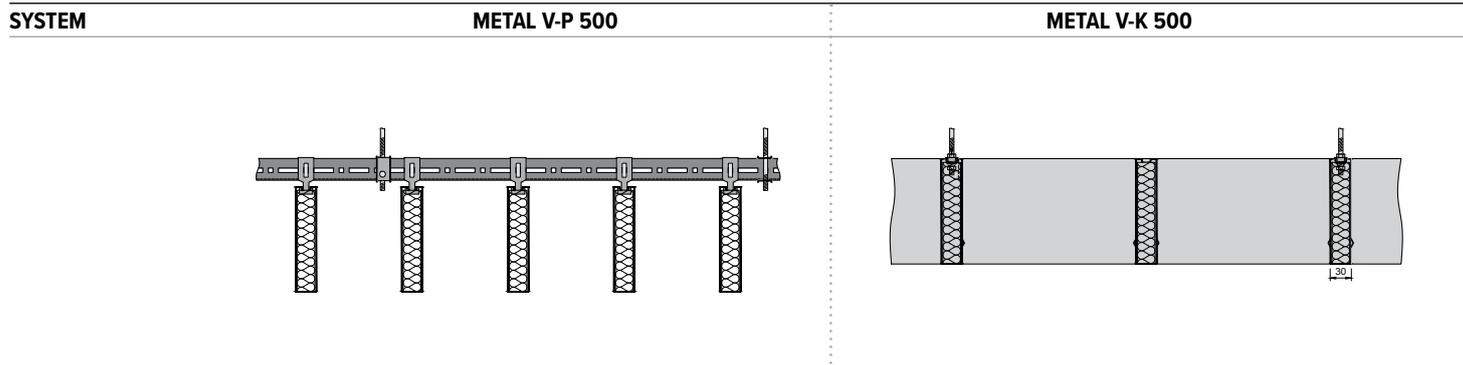
OFFICE
E&Y (PL)
METAL V-P 500

Key features

- Fast and simple installation with Knauf Armstrong standard hanging kits
- Easy to install if there is a suspended ceiling between the canopy and the soffit
- Height adjustments can be made on the back of the baffle rather than at the top fixing point
- Easy integration of lighting, air conditioning or other equipment into the ceiling space
- METAL V-P 500 for a linear appearance
- METAL V-K 500 for a modular appearance



KNAUF ARMSTRONG METAL V-P 500 / METAL V-K 500

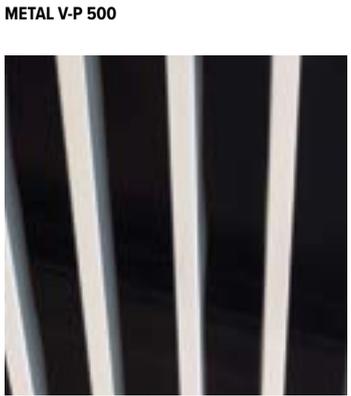


MODULES (mm)	METAL V-P 500	METAL V-K 500
	Baffle length: 3000	Baffle length: 3000
	Baffle width: 30	Baffle width: 30
	Baffle height: 150 / 200 / 250 / 300	Baffle height: 150 / 200 / 250 / 300

SUSPENSION SYSTEMS	METAL V-P 500	METAL V-K 500
	U-Profile	Direct suspended (by threaded rod)

CUSTOM OPTIONS

			
Colours	Dimensions	Perforations	Acoustic Infills



[2019-12] All sizes are nominal. Product availability may vary. Please contact us or visit www.knaufamf.com for more information.



WALL SOLUTIONS

CONFIGURABLE

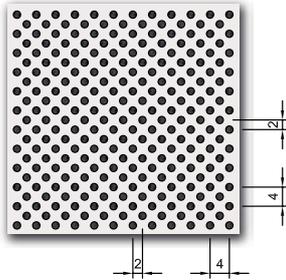
- METAL W-H 1000
- METAL W-H 1100

PERFORATIONS

WALL Solutions are available in 2 different patterns and 4 different colours, whilst configurable solutions allows any custom size and alternative edge details.

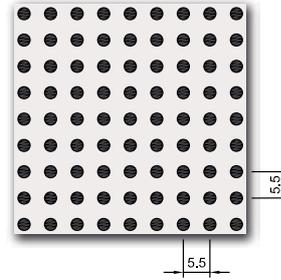
Microperforation Rd 1522

- Hole diameter: 1.5mm
- Open area: 22%



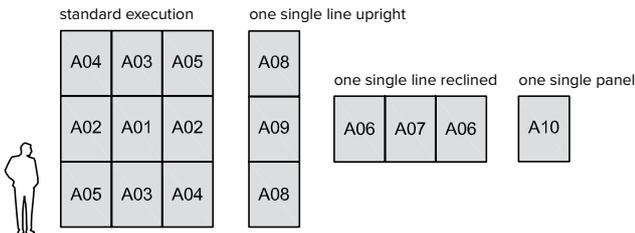
Standard Perforation Rg 2516

- Hole diameter: 2.5mm
- Open area: 16%

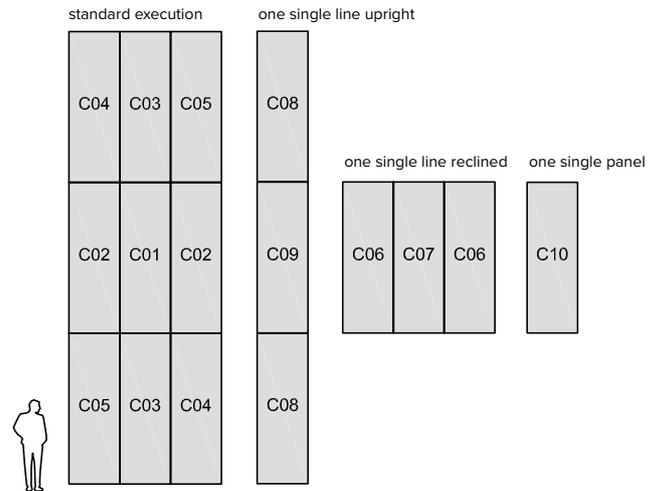


SHAPES AND SYSTEMS

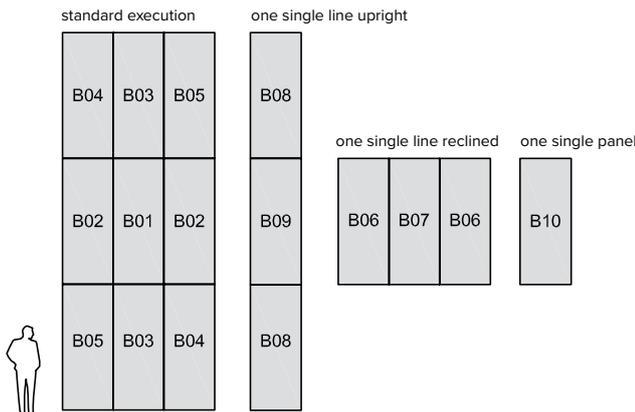
Type A



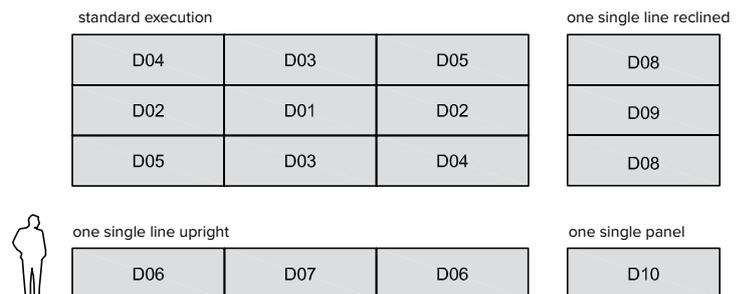
Type C



Type B



Type D





KNAUF ARMSTRONG WALL CONFIGURABLE

METAL W-H 1000, METAL W-H 1100

METAL W-H 1000 and METAL W-H 1100 are Hook-On wall cladding systems without visible fasteners which enables faster installation.

Key features

- Certified system
- Small offset distance
- Space saving
- Light-weight type
- Simple installation (alignment) and disassembling
- Standard subconstruction
- Versatile application
- cost-effective and fast to install
- For extensive acoustic requirements

Application areas

Acoustic and architectural design elements for market segments such as office, education or transportation.

TRANSPORT

Dubai International Airport, Dubai (UAE)
W-H 1100

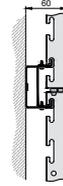


KNAUF ARMSTRONG WALL CONFIGURABLE

METAL W-H 1000

EDGE DETAIL

METAL W-H 1000



DIMENSIONS

Type A

Panel length (mm): 600 - 1300
Panel width (mm): 250 - 1000
Max size (m²): 1.3

Type B

Panel length (mm): 1301 - 2500
Panel width (mm): 250 - 1000
Max size (m²): 2.5

Type C

Panel length (mm): 2501 - 3000
Panel width (mm): 275 - 1000
Max size (m²): 3

Type D

Panel length (mm): 600 - 2500
Panel width (mm): 250 - 1000
Max size (m²): 2

SUSPENSION SYSTEMS

C-Wall Profile

CUSTOM OPTIONS



Colours



Dimensions



Perforations



Shapes



Acoustic Infills

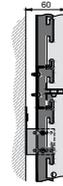


Effects

METAL W-H 1100

EDGE DETAIL

METAL W-H 1100



DIMENSIONS

Type A

Panel length (mm): 600 - 1300
Panel width (mm): 250 - 1000
Max size (m²): 1.3

Type B

Panel length (mm): 1301 - 2500
Panel width (mm): 250 - 1000
Max size (m²): 2.5

Type C

Panel length (mm): 2501 - 3000
Panel width (mm): 275 - 1000
Max size (m²): 3

Type D

Panel length (mm): 600 - 2500
Panel width (mm): 250 - 1000
Max size (m²): 2

SUSPENSION SYSTEMS

U-Wall Profile

CUSTOM OPTIONS



Colours



Dimensions



Perforations



Shapes



Acoustic Infills



Effects

Not all custom options may be available on all products / systems / dimensions.
For further information about custom metal, please contact us.



MESH SOLUTIONS

STANDARD

- MESH LAY-IN

CONFIGURABLE

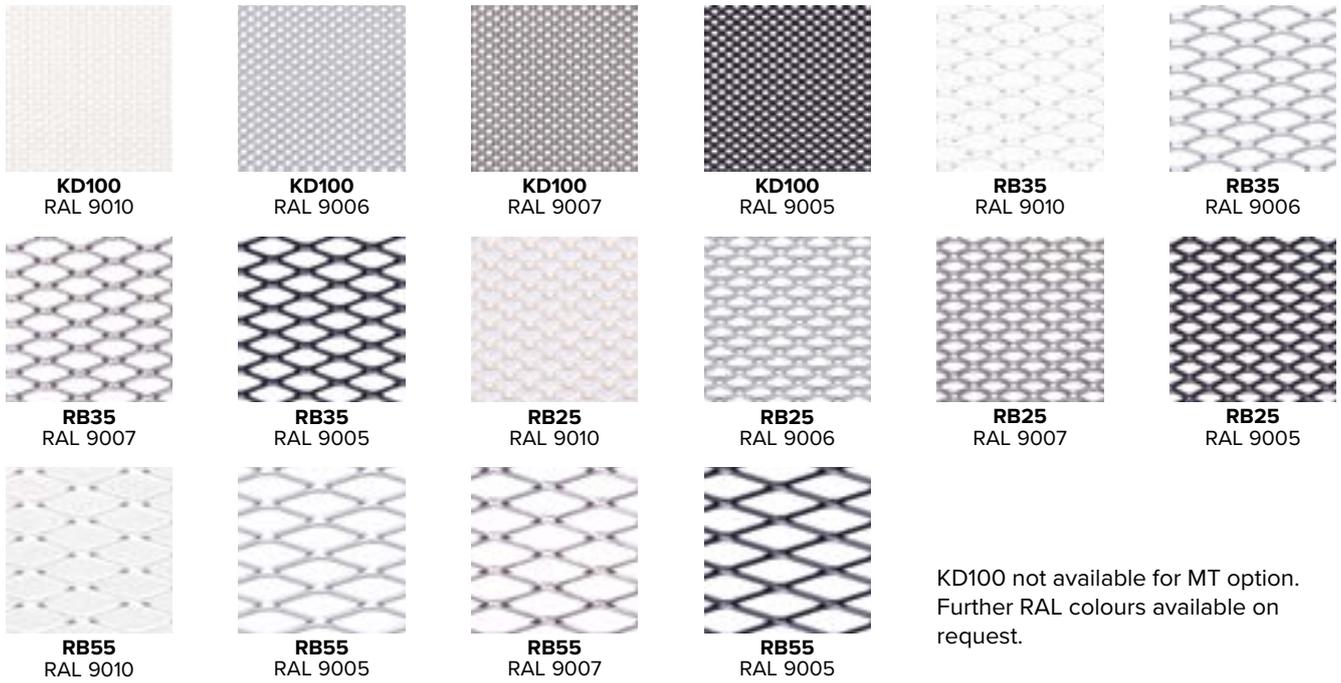
- MESH RECTANGULAR
- MESH LINEAR AND TARTAN
- MESH CORRID

MESH CANOPIES

- MESH D-H 700 MT / MESH CANOPY MT

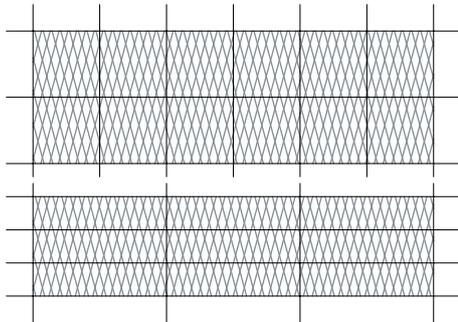
PATTERNS AND COLOURS

Mesh Lay-In Solutions are available in 4 different patterns and 4 different colours, whilst configurable solutions allows any custom size and alternative edge details.



SHAPES AND SYSTEMS

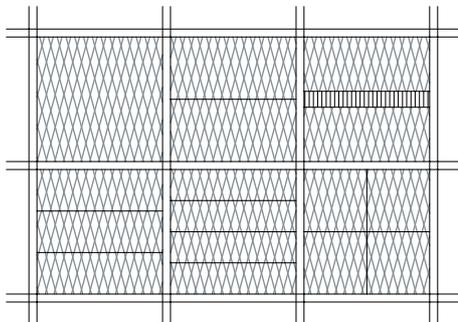
SQUARE & RECTANGULAR TILES



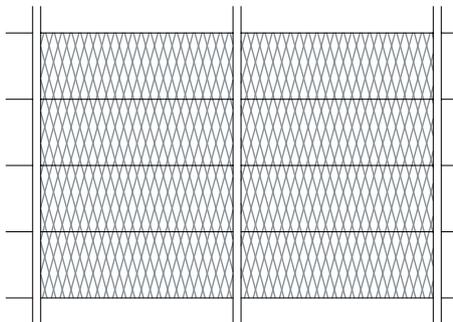
RECTANGULAR PANELS



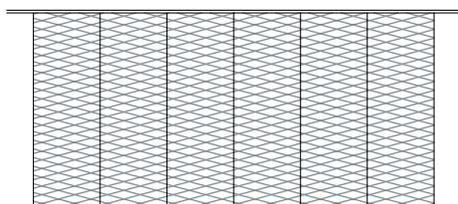
TARTAN GRID



LINEAR GRID



CORRIDOR CEILINGS



For Mesh Canopies, please see the Floating Ceiling Solutions section.



KNAUF ARMSTRONG MESH LAY-IN

MESH BOARD, MESH TEGULAR, MESH MICROLOOK

Use Knauf Armstrong Mesh Lay-In to achieve an industrial and contemporary look. Installed on DONN® suspension systems, Mesh Lay-In is an ideal choice for transport hubs, renovation projects wanting a modern touch and in general spaces with large ceiling areas.

Key features

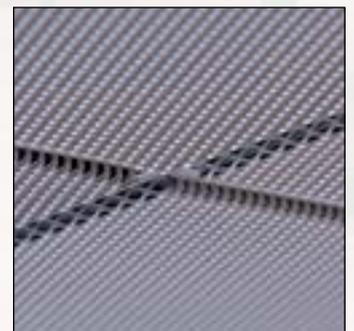
- Mesh Metal provides a contemporary design aesthetic
- Configurable solutions available on request (custom sizes, edge details, patterns, colours)
- Compatible with DONN® suspension systems

Application Areas

Can be used for different room configurations to create a comfortable atmosphere.

LEISURE

Canada Square, Canary Wharf,
London (UK)
MESH MicroLook 8, RB25, RAL 9010



KNAUF ARMSTRONG MESH LAY-IN

EDGE DETAIL	MESH BOARD	MESH TEGULAR 8	MESH TEGULAR 14	MESH MICROLOOK 8
MODULES (mm)	<p>KD100</p>  <p>Q6x4.5-1.2x1 35% open area</p> <p>600 x 600 3975M 625 x 625 3975D 600 x 1200 3976M 625 x 1250 3976D</p> <p>RB25</p>  <p>R16x8-2x1 50% open area</p> <p>600 x 600 3977M 625 x 625 3977D 600 x 1200 3978M 625 x 1250 3978D</p> <p>RB35</p>  <p>R28x10-2x1.5 58% open area</p> <p>600 x 600 3979M 625 x 625 3979D 600 x 1200 3980M 625 x 1250 3980D</p> <p>RB55</p>  <p>R43x13-2.5x1.5 62% open area</p> <p>600 x 600 3981M 625 x 625 3981D 600 x 1200 3982M 625 x 1250 3982D</p>	<p>600 x 600 3985M</p> <p>600 x 600 3986M</p>	<p>625 x 625 3985D</p> <p>625 x 625 3986D</p>	<p>600 x 600 3983M</p> <p>600 x 600 3984M</p>
SUSPENSION SYSTEMS	<p>DONN® DXB 24 Butt Cut System C</p>	<p>DONN® DX 24 System C / DONN® DXB 24 Butt Cut System C</p>	<p>DONN® DX 15 System C / DONN® DXB 15 Butt Cut System C</p>	
COLOURS	 <p>RAL 9010</p>			
SUSTAINABILITY	 <p>EN ISO 14021 30</p>	 <p>EN 13964 A+</p>	 <p>EN 13964 E1</p>	
FIRE REACTION	 <p>EEA Euroclass A2-s1, d0 EN 13501-1</p>			
OTHER PERFORMANCES & FEATURES	 <p>95% RH</p>	 <p>Kg</p>	<p>KD100: 4.15 kg/m² RB25: 4.00 kg/m² RB35: 4.80 kg/m² RB55: 4.35 kg/m²</p>	
CUSTOM OPTIONS	 <p>Colours</p>	 <p>Dimensions</p>	 <p>Perforations</p>	 <p>Service Integration</p>
			<p>Not all custom options may be available on all products / systems / dimensions. For further information about custom mesh, please contact us.</p>	



KNAUF ARMSTRONG MESH CONFIGURABLE

MESH RECTANGULAR: MESH R-CLIP, MESH R-L 201, MESH R-H 200, MESH R-H 215

MESH LINEAR & TARTAN: MESH B-L 302, MESH B-H 300, MESH K-H 400

MESH CORRIDOR: MESH F-CLIP, MESH F-L 601, MESH F-H 600

OFFICE

Automobilklub Polski (PL)
MESH R-H 215, RB35, RAL 9006

MESH Configurable brings a versatile and simple design solution, ideal for breaking up larger ceiling spaces.

Key features

- MT version with solid edge framing
- Custom patterns and colours available
- Enables integration of services

Application areas

Ideal for open spaces and large rooms with flexible partitioning.



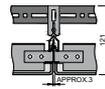
KNAUF ARMSTRONG MESH RECTANGULAR

MESH R-CLIP

CLIP-IN

EDGE DETAIL

MESH R-CLIP



DIMENSIONS

Panel length (mm): 597 - 2500 • Panel width (mm): 247 - 600 • Max size (m²): 1.5

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

CUSTOM OPTIONS



Colours



Dimensions



Perforations



Service Integration



Security Options

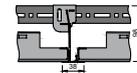
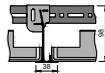
MESH R-L 201 / MESH R-L 201 MT

LAY-IN

EDGE DETAIL

MESH R-L 201

MESH R-L 201 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), RB25: 298 - 602 (in steps of 8 mm) • RB35 / RB55: 247 - 700
Max size (m²): 1.75

SUSPENSION SYSTEMS

U-Profile + L-Profile
Primary Angle + L-Profile (for special solutions)

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



Service Integration

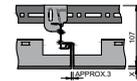
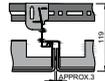
MESH R-H 200 / MESH R-H 200 MT

HOOK-ON

EDGE DETAIL

MESH R-H 200

MESH R-H 200 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), RB25: 298 - 602 (in steps of 8 mm) • RB35 / RB55: 247 - 700
Max size (m²): 1.75

SUSPENSION SYSTEMS

U-Profile + J-Bar
Primary Angle + J-Bar (for special solutions)

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



Service Integration



Security Options

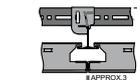
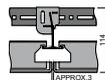
MESH R-H 215 / MESH R-H 215 MT

HOOK-ON

EDGE DETAIL

MESH R-H 215

MESH R-H 215 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), RB25: 298 - 602 (in steps of 8 mm) • RB35 / RB55: 247 - 700
Max size (m²): 1.75

SUSPENSION SYSTEMS

U-Profile + H-Profile 35

CUSTOM OPTIONS



Colours



Patterns



BioGuard



Acoustic Infills



Security Options

Not all custom options may be available on all products / systems / dimensions.
For further information about custom metal, please contact us.

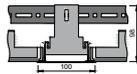
KNAUF ARMSTRONG MESH LINEAR AND TARTAN

MESH B-L 302 / MESH B-L 302 MT

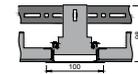
LAY-IN [Linear]

EDGE DETAIL

MESH B-L 302



MESH B-L 302 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
 Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
 Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
 Panel width (mm), RB25: 298 - 602 (in steps of 8 mm) • RB35 / RB55: 247 - 700
 Max size (m²): 1.75

SUSPENSION SYSTEMS

U-Profile + Bandraster

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



Service Integration



Megapanel¹

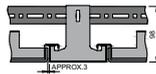
¹For MESH B-L 302 MT only.

MESH B-H 300 / MESH B-H 300 MT

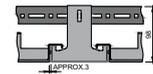
HOOK-ON [Linear]

EDGE DETAIL

MESH B-H 300



MESH B-H 300 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
 Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
 Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
 Panel width (mm), RB25: 300 - 604 (in steps of 8 mm) • RB35 / RB55: 247 - 700
 Max size (m²): 1.75

SUSPENSION SYSTEMS

U-Profile + C-Profile
 Primary Angle + C-Profile (for special solutions)

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



Service Integration



Megapanel²

²For MESH B-H 300 MT only.

MESH K-H 400 / MESH K-H 400 MT

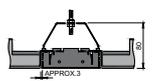
HOOK-ON [Tartan]

EDGE DETAIL

MESH K-H 400



MESH K-H 400 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
 Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
 Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
 Panel width (mm), RB25: 300 - 604 (in steps of 8 mm) • RB35 / RB55: 247 - 700
 Max size (m²): 1.75

SUSPENSION SYSTEMS

Crossing Box + C-Profile

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



Service Integration



Megapanel³

³For MESH K-H 400 MT only.

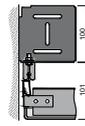
KNAUF ARMSTRONG MESH CORRIDOR

MESH F-CLIP

CLIP-IN

EDGE DETAIL

MESH F-CLIP



DIMENSIONS

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500 • Panel width (mm), RB25 / RB35 / RB55: 247 - 600 • Max size (m²): 1.5

SUSPENSION SYSTEMS

Wall Bracket + Half DP12 A-Bar

CUSTOM OPTIONS



Colours



Dimensions



Patterns



Security Options



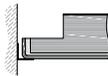
Service Integration

MESH F-L 601 / MESH F-L 601 MT

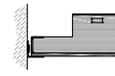
LAY-IN

EDGE DETAIL

MESH F-L 601



MESH F-L 601 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), RB25: 300 - 604 (in steps of 8 mm) • RB35 / RB55: 247 - 700
Max size (m²): 1.75

SUSPENSION SYSTEMS

Range of various perimeter trims

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



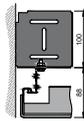
Service Integration

MESH F-H 600 / MESH F-H 600 MT

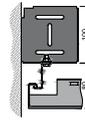
HOOK-ON

EDGE DETAIL

MESH F-H 600



MESH F-H 600 MT



DIMENSIONS

Panel length (mm), KD100: 597 - 1500 • RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), KD100: 247 - 500 • RB25 / RB35 / RB55: 247 - 700
Max size (m²): 1.75

Panel length (mm), RB25 / RB35 / RB55: 597 - 2500
Panel width (mm), RB25: 300 - 604 (in steps of 8 mm) • RB35 / RB55: 247 - 700
Max size (m²): 1.75

SUSPENSION SYSTEMS

Wall Bracket + J-Bar

CUSTOM OPTIONS



Colours



Dimensions



Shapes



Patterns



Service Integration

Not all custom options may be available on all products / systems / dimensions.
For further information about custom metal, please contact us.



KNAUF ARMSTRONG MESH D-H 700 MT / MESH CANOPY MT

Knauf Armstrong offers custom Mesh metal options with Floating Ceilings. Breathe new life into your ceiling architecture — with a creative design, impressive simplicity and high performance.

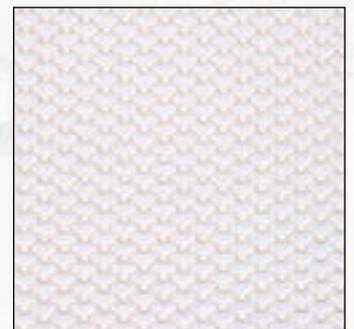
RETAIL
MESH CANOPY MT

Key features

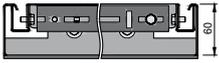
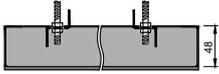
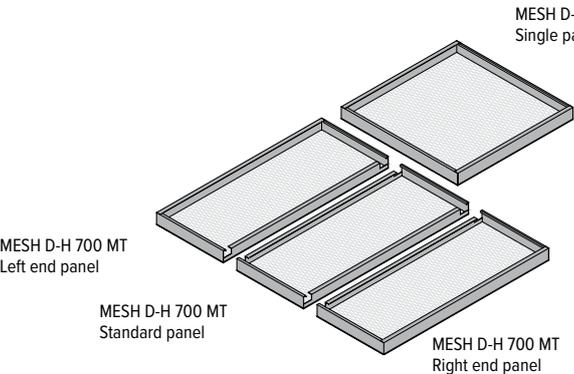
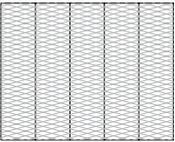
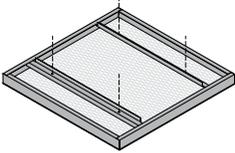
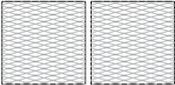
- MT version with solid edge framing
- Custom patterns and colours available

Application areas

Large rooms and flexible partitioning.



KNAUF ARMSTRONG MESH D-H 700 MT / MESH CANOPY MT

THICKNESS (mm)	MESH D-H 700 MT		MESH CANOPY MT		
					
DIMENSIONS (mm)	Panel length: Panel width:	585 - 2485 (in steps of 25 mm) RB25 298 - 602 (in steps of 8 mm) RB35 / RB55 247 - 700	Panel length: Panel width:	800 - 1200 RB25 800 - 1202 (in steps of 8 mm) RB35 / RB55: 800-1200	
SUSPENSION SYSTEMS	U-Profile (cross-connected)		Direct suspended (by threaded rod or wires)		
PATTERNS			 RB25	 RB35	 RB55
COLOURS	 RAL 9010	 RAL 9006	 RAL 9007	 RAL 9005	
SUSTAINABILITY	 EN ISO 14021 30	 A+	 EN 13964 E1		
FIRE REACTION		EEA Euroclass A2-s1, d0 EN 13501-1			
OTHER PERFORMANCES & FEATURES	 95% RH				
CUSTOM OPTIONS	 Colours	 Dimensions	 Perforations	 Service Integration	 Megapanel
INSTALLATION OPTIONS	MESH D-H 700 MT		MESH CANOPY MT		
		 Single panel island solution	 Multiple panel island solution		
		 Single panel island solution			

[2019-12] All sizes are nominal. Product availability may vary. Please contact us or visit www.knaufamf.com for more information.

DEFINITION OF TECHNICAL PERFORMANCE ICONS



SOUND ABSORPTION

A single-number rating for random incidence sound absorption coefficients as calculated by reference to ENISO 11654 (α_w) or, as calculated by reference to ASTM C423 (NRC).



SOUND ABSORPTION CLASS

A classification for sound absorption (A – E) based upon the sound absorption α_w value.



SOUND REDUCTION

A single-number rating for airborne sound transmission (single pass) as calculated by reference to EN ISO 717-1.



SOUND ATTENUATION

A single-number rating for flanking sound transmission between adjacent rooms, as calculated by reference to EN ISO 717-1.



FIRE REACTION

Reaction to fire classification in accordance with EN 13501-1 expressed as Euroclass (A1 – F).



HUMIDITY RESISTANCE

Maximum relative humidity conditions for installation and lifetime of ceiling.



LIGHT REFLECTANCE

Light reflection is the proportion of incident light that is reflected back off the product, when tested in accordance with EN ISO 7724-2 and 3.



LIGHT DIFFUSION

The percentage of reflected light which is diffused.



AIR QUALITY

Knauf Armstrong solutions designed to limit the number of airborne particles in a clean room environment are tested against ISO 14644-1 and classified with an ISO class.



THERMAL CONDUCTIVITY

Tested in accordance with EN 12667, the thermal conductivity rating measures the rate of heat flow through a material.



SCRATCH RESISTANCE

Products with this icon offer a superior level of surface scratch resistance, evaluated with the Hess Rake test.



PRODUCT HANDLING & DURABILITY

Solutions with enhanced durability for improved handling and resistance to damage.

CLEANING AND DISINFECTION

The frequency and cleaning method of a ceiling varies from one application to another. All products can at least be cleaned with a dry cloth or vacuum cleaner.



Wipeable with a dry cloth / soft brush.



Wipeable with a moist cloth.



Washable with a sponge dampened in water containing mild soap or diluted detergent.



Scrubbable with water containing mild soap or diluted detergent.



Can be cleaned using a high pressure water spray.



Can be cleaned using focus compressed air.



Can be cleaned with disinfectants commonly used in healthcare premises.

**WEIGHT**

Weight per unit area of the product (kg/m²).

**COLOURS**

Custom colours available for products with this icon.

**DIMENSIONS**

Custom sizes available for products with this icon.

**GRID SYSTEMS**

Additional compatible grid systems for TechZone available upon request.

**SHAPES**

Custom shapes available for products with this icon.

**PERFORATIONS / PATTERNS**

Custom perforations/patterns available for products with this icon.

**BIOGUARD / ANTIMICROBIAL**

Bioguard antimicrobial finish as standard on Bioguard Plain and Bioguard Acoustic mineral tiles, and available as a custom option for metal products with this icon.

**TRIOGUARD**

TrioGuard dirt resistant coating available for products with this icon.

**RECYCLED CONTENT**

The recycled content of the product, as calculated in accordance with ISO 14021:2016.

**VOC**

The VOC emission performance in accordance with the French labelling requirements.

**FORMALDEHYDE (E1)**

Formaldehyde emission level (E1 = lowest test result possible).

**ACOUSTIC INFILLS**

Custom acoustic infills available for products with this icon.

**SECURITY**

Secure solutions using specifically designed components and assemblies available for systems with this icon.

**EFFECTS**

Effects on Metal finishes available on request for product with this icon.

**VENEERS**

Additional custom wood veneer effects possible for products with this icon.

**SEISMIC**

Seismic resistance using specifically designed components and assemblies available for systems with this icon.

**SWING-DOWN FUNCTION**

Swing-down functionality available for systems with this icon.

**SERVICE INTEGRATION**

Custom factory cut-outs for service integration available for products with this icon.

**EXTERIOR SOLUTIONS**

Exterior ceiling tiles available for products with this icon.

**IMPACT SOLUTIONS**

Impact solutions ceiling tiles available for products with this icon.

CE MARKING

In Europe, the Construction Products Regulations (305/2011/EU) defines essential requirements for products (and projects) such that they are safe and fit for their intended use. Harmonized Product Standards respond to these essential requirements and set out what tests must be conducted and how the performance must be communicated. For suspended ceilings the applicable product standard is EN 13964 Suspended Ceilings – Requirements & Test Methods.

The essential requirements identified for suspended ceiling membranes (tiles & baffles) include:

- Reaction to Fire (mandatory)
- Formaldehyde Emissions (mandatory)
- Sound Absorption
- Flexural Tensile Strength / Durability
- Thermal conductivity

It is mandatory to CE Mark products within the scope of EN 13964 and provide a Declaration of Performance in order to place the product on the market.

All Knauf AMF Declarations of Performance can be found on the Knauf AMF website.

ACOUSTIC TECHNICAL GLOSSARY

WEIGHTED SOUND ABSORPTION COEFFICIENT, α_w

A single-number rating for random incidence sound absorption coefficients calculated by reference to EN ISO 11654. With this method measured values obtained in accordance with EN ISO 354, are converted into octave bands at 250, 500, 1000, 2000 and 4000Hz and are plotted onto a graph. A standard reference curve is then shifted towards the measured values in steps of 0.05 until a “best fit” is obtained. The derived value of α_w will vary between 0.00 and 1.00 but is only expressed in multiples of 0.05, e.g. $\alpha_w = 0.65$.

SHAPE INDICATOR

With reference to EN ISO 11654, the calculated value of w may be qualified by one or more letters (in brackets) to indicate if the product has excess sound absorption at low (L), medium (M) or high (H) frequencies.

SOUND ABSORPTION CLASS

With reference to EN ISO 11654, the calculated value of w may additionally be allocated into one of six descriptive classes in accordance with the following table:

Sound Absorption Class	α_w
A	0.90; 0.95; 1.00
B	0.80; 0.85
C	0.60; 0.65; 0.70; 0.75
D	0.30; 0.35; 0.40; 0.45; 0.50; 0.55
E	0.15; 0.20; 0.25
Not Classified	0.00; 0.05; 0.10

WEIGHTED SUSPENDED CEILING NORMALISED LEVEL DIFFERENCE, D_{ncw}

A single-number rating of the laboratory measurement of room-to-room (horizontal) airborne sound insulation of a suspended ceiling above adjacent rooms sharing a common ceiling plenum. It is determined in accordance with EN ISO 717-1 from measurements made in accordance with EN 20140-9. Note: EN 20149-9 has now been withdrawn and superseded by EN ISO 10848-2. (see D_{nfw}), although D_{ncw} test results still continue to be valid.

WEIGHTED SUSPENDED CEILING NORMALISED FLANKING LEVEL DIFFERENCE, D_{nfw}

A single-number rating of the laboratory measurement of room-to-room (horizontal) airborne flanking sound transmission of a suspended ceiling above adjacent rooms sharing a common ceiling plenum. It is determined in accordance with EN ISO 717-1 from measurements made in accordance with EN ISO 10848-2. This has now superseded EN 20149- 9. (see D_{ncw}).



WEIGHTED SOUND REDUCTION INDEX, R_w

A single-number rating of the laboratory measurement of (vertical) airborne sound reduction of a suspended ceiling. It is determined by reference to EN ISO 717-1 from measurements of sound reduction index made in accordance with EN ISO 140-3.

RAIN NOISE SOUND INTENSITY LEVEL, L_r

The laboratory measurement of the sound intensity in a room below a roof construction when subjected to rainfall. It is determined by reference to EN ISO 140-18:2006 – Laboratory measurement of sound generated by rainfall on building elements. The roof's performance can be tested with or without a suspended ceiling beneath. The intensity of the rainfall tested can be selected from the options given in the standard. A combined A-weighted single-number (LIA) can also be determined. Unlike D_{nfw} and R_w data, where the higher the value the better the insulation provided, the lower the intensity value (weighted LIA) the better the insulation performance of the ceiling and roof combination.

SOUND ATTENUATION

A term used in relation to the horizontal transmission of sound through a suspended ceiling above adjacent rooms sharing a common ceiling plenum.

SOUND REDUCTION

A term used in relation to the vertical transmission of sound through a suspended ceiling.

NOISE REDUCTION COEFFICIENT, NRC

A single-number descriptor of random incidence sound absorption coefficients. Defined in ASTM C423 as the arithmetical average, to the nearest multiple of 0.05, of the measured sound absorption coefficients for the four one-third octave band centre frequencies of 250, 500, 1,000 and 2,000 Hz.

SABINE / EQUIVALENT ABSORPTION AREA (EAA)

A Sabine is a measure of the total sound absorption provided by discrete objects (canopies, screens, furniture, etc) when installed in an architectural space. Because these types of absorbers have more than one surface and may be irregular in form, it is not meaningful to assign sound absorption coefficients to them. Hence the Equivalent Absorption Area per unit (measured in Sabines) is preferred to characterise the absorption provided by an individual 'space absorber'.







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