

enhance acoustics



SABINE DEFINITION

A Sabine is a measure of the sound absorption provided by a material when installed within an architectural space.

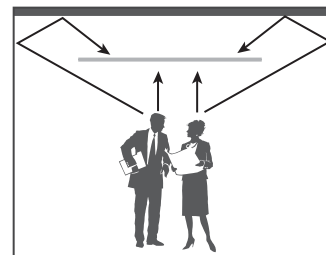
Axiom Canopy clouds provide greater sound absorption than a traditional wall to wall ceiling of the same face surface area because the sound is absorbed from both the front and back surfaces of the cloud. Axiom clouds installed in a typical "lively" space will help reduce the reverberation time.

Sabine per unit is preferred to characterise the absorption provided by an individual "space absorber", such as a baffle, a canopy or a cloud in :

- Open spaces, open plan offices, retail outlets
- Corridors / lobbies

Factors that may affect the installed acoustical performance relative to the published results are:

- Size of cloud
- Number of clouds and their layout
- Suspension distance below a finished ceiling
- Location and horizontal overlap of clouds
- Ceiling tile selection



Axiom Canopy Clouds – Absorption Data – Sabines (average 500, 1k, 2k, 4k Hz)

Tile type	UNIT SIZE		
	1.80 x 1.80 mtrs = 3.24m ²	2.40 x 2.40 mtrs = 5.76m ²	3.00 x 3.00 mtrs = 9.00m ²
Dune Max	2.9	5.1	7.9
Nevada Board 18mm	4.1	7.4	11.5
Optima 15mm	3.9	6.9	10.8
Ultima	2.7	4.9	7.6

Tested in accordance with EN 20354 at 1000mm height.

Note: The above values are extrapolated from a tested unit size of 8.64m²

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Advisory note

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For technical reasons in printing, differences may appear between colours printed in this brochure and the actual product. The choice of colours should always be made from a sample of the product.

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Sales of the products and liability of the selling companies are in accordance with the terms and conditions of sale of the selling company.

All product specifications are subject to modifications without prior notice.



AXIOM CANOPY



AXIOM KNIFE EDGE CANOPY





AXIOM CANOPY



AXIOM KNIFE EDGE CANOPY

design and...

Axiom Canopy and Axiom Knife Edge Canopy can enhance acoustics without sacrificing design.

Now both form and function thrive with Armstrong's Axiom Canopies.

- Axiom Canopy and Axiom Knife Edge Canopy are a perimeter trim system designed to create "ceiling clouds" in conjunction with full size tiles. Made from standard ceiling panels and ready to assemble Axiom components, Axiom Canopy and Axiom Knife Edge Canopy will define and individualise reception areas, work stations, meeting rooms and areas within open spaces.
- Create floating ceilings whilst improving acoustics, reduce noise levels in spaces, and increase speech intelligibility over a specific area.
- Ideal for acoustically challenged or open plenum spaces.
- Axiom Canopy and Axiom Knife Edge Canopy kits take the guesswork out and add the detail of precision engineered, pre-cut, ready to assemble profiles and accessories.
- With the pre-set modules, it's easy to estimate the requirements and quick to install.

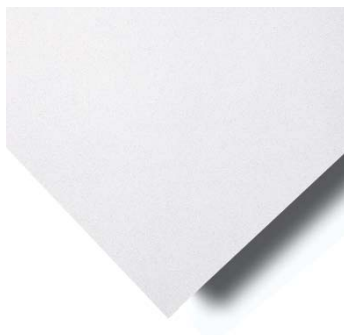
create

SELECT YOUR VISUAL

Axiom Canopy and Axiom Knife Edge Canopy are compatible with 600 x 600mm module tiles in Tegular, MicroLook and Vector edge details (excluding Madera).

SELECT YOUR SURFACE PATTERN

Perla / Perla OP, Ultima / Ultima OP, Nevada, Dune Max, Orcal Extra Microperforated, Microperforated, Perforated (Global White)



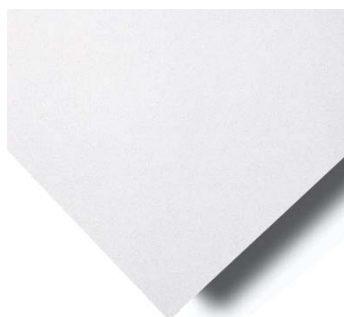
Perla / Perla OP



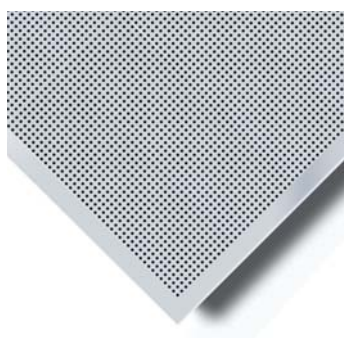
Ultima / Ultima OP



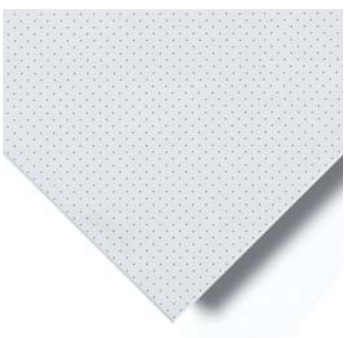
Dune Max



Nevada



Orcal Microperforated



Orcal Extra Microperforated

- Other surfaces are available, please refer to our main line brochure

SELECT YOUR EDGE DETAIL

- 24mm system Board, Tegular, Vector
- 15mm system, MicroLook

AXIOM CANOPY



Vector

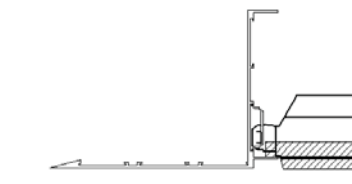


MicroLook/Tegular

AXIOM KNIFE EDGE CANOPY



MicroLook/Tegular

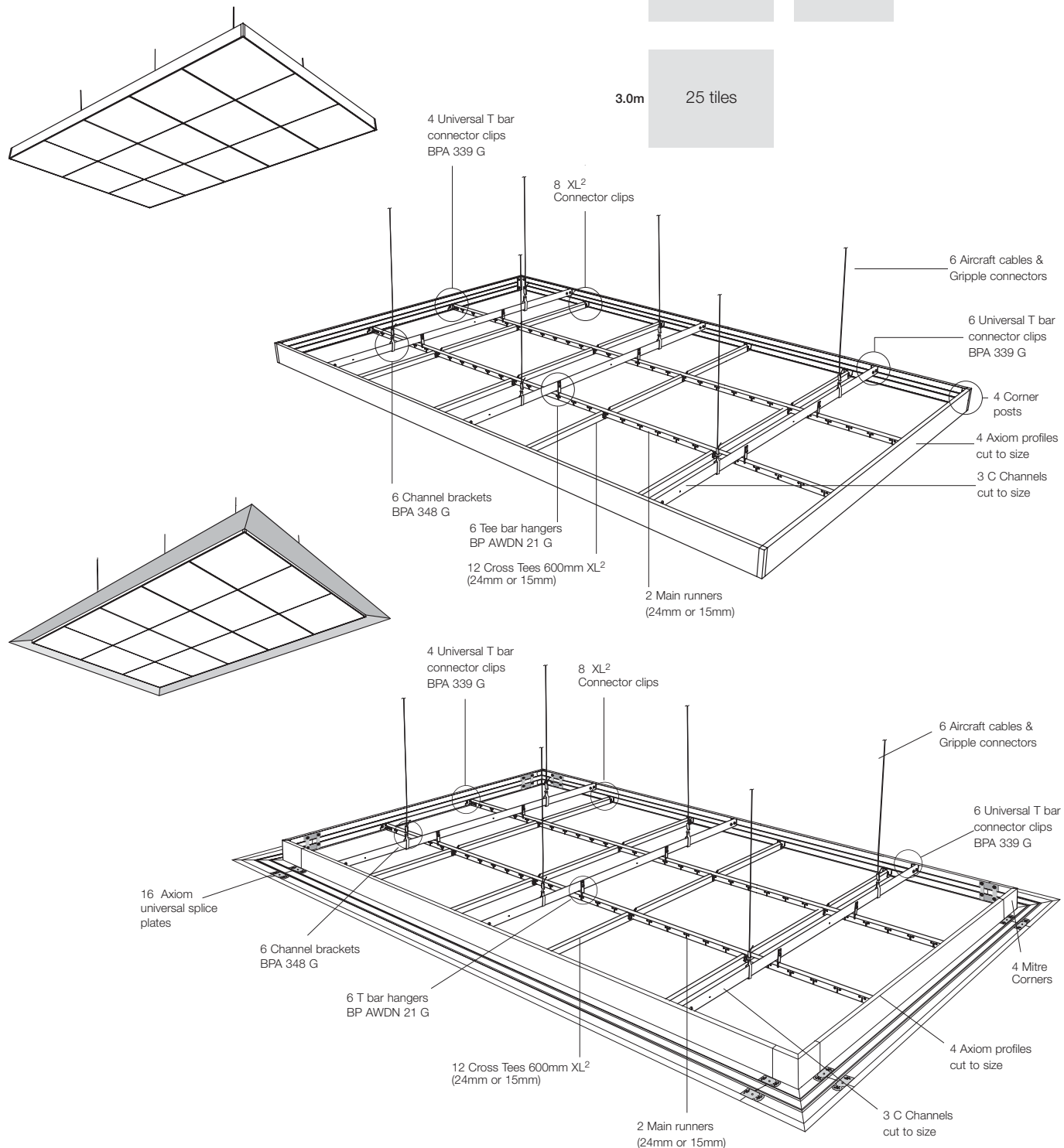


Vector

shape

SELECT YOUR MODULE

Axiom Knife Edge canopies offer the same range of modules as Axiom Canopy, allowing a flexible adaptation of identical components , while creating a multiple facette design.



AXIOM CANOPY

PHYSICAL DATA

Extruded aluminium profiles

Axiom is made from extruded aluminium, offers better registration, handling capability and finished appearance compared with standard cold-rolled steel.

Surface finish

Polyester powder coated

Armstrong Global White only

Fire performance

Axiom Canopies, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a fire protection engineer for guidance on the proper installation techniques where fire detection or suppression systems are present.

Recycled content

Axiom Canopy : 50%

Ceiling tiles : please contact your local Armstrong office.

Warranty

For more information, please contact your local Armstrong office.

Kit Details*

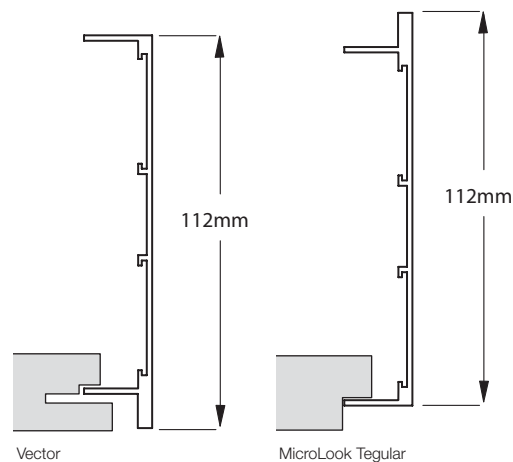
20 pre-packed, ready-to-assemble Axiom Canopy kits, in 10 standard modules (metric only), will be available either with 15mm or 24mm grid:

AXIOM CANOPY KITS


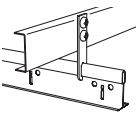

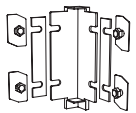




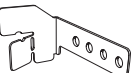
Module	Grid system 15mm XL ² Item Nr.	Grid system 24mm XL ² Item Nr.
1200 x 1200mm	BP AX 22 G15	BP AX 22 G24
1800 x 1200mm	BP AX 32 G15	BP AX 32 G24
1800 x 1800mm	BP AX 33 G15	BP AX 33 G24
2400 x 1200mm	BP AX 42 G15	BP AX 42 G24
2400 x 1800mm	BP AX 43 G15	BP AX 43 G24
2400 x 2400mm	BP AX 44 G15	BP AX 44 G24
3000 x 1200mm	BP AX 52 G15	BP AX 52 G24
3000 x 1800mm	BP AX 53 G15	BP AX 53 G24
3000 x 2400mm	BP AX 54 G15	BP AX 54 G24
3000 x 3000mm	BP AX 55 G15	BP AX 55 G24

* Ceiling tiles are NOT included in the kit.

DETAILS

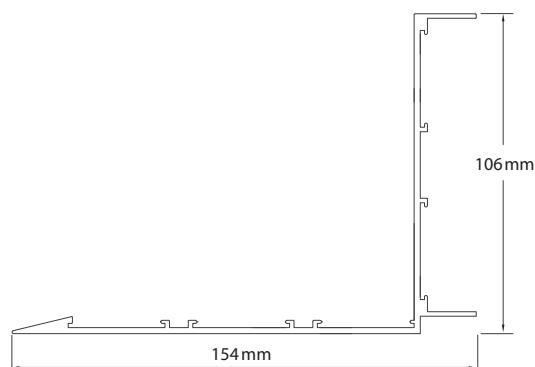


AXIOM CANOPY COMPONENTS

	Item Nr.	Description
	BP 551411 G	Axiom Tegular Vector profile
	BPC 3000 G	Primary C channel
	BPAWDN 21 G	Tee bar hanger
	BPA 345 G	Axiom Tegular Vector corner post
	BPA 348 G	Channel bracket
	BPCA 97 G	Clamp for C channel (supplied within kit only for UK)
	BPA 347 G	24mm XL ² connector clip
	BPA 346 G	15mm XL ² connector clip
	BPA 339 G	Universal T bar connector clip

AXIOM KNIFE EDGE CANOPY

DETAILS



PHYSICAL DATA


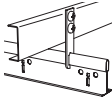
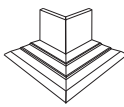

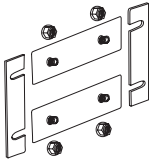




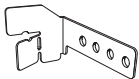
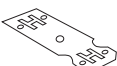
Please refer to the Axiom Canopy Physical Data.

AXIOM CANOPY KNIFE EDGE KITS

Module	Grid system 15mm XL ² Item Nr.	Grid system 24mm XL ² Item Nr.
1200 x 1200mm	BPCS AK 22 G15	BPCS AK 22 G24
1800 x 1200mm	BPCS AK 32 G15	BPCS AK 32 G24
1800 x 1800mm	BPCS AK 33 G15	BPCS AK 33 G24
2400 x 1200mm	BPCS AK 42 G15	BPCS AK 42 G24
2400 x 1800mm	BPCS AK 43 G15	BPCS AK 43 G24
2400 x 2400mm	BPCS AK 44 G15	BPCS AK 44 G24
3000 x 1200mm	BPCS AK 52 G15	BPCS AK 52 G24
3000 x 1800mm	BPCS AK 53 G15	BPCS AK 53 G24
3000 x 2400mm	BPCS AK 54 G15	BPCS AK 54 G24
3000 x 3000mm	BPCS AK 55 G15	BPCS AK 55 G24

*Ceiling tiles are NOT included in the kit.

AXIOM KNIFE EDGE CANOPY COMPONENTS

Item Nr.	Description
	BPCS 574206G Axiom Knife Edge profile
	BPC 3000 G Primary C channel
	BPAWDN 21 G T bar hanger
	BPCS 57 G Mitre corner piece
	BPA361 G Mitre corner splice connector
	BPA 348 G Channel bracket
	BPCL 97 G Clamp for C channel (supplied within kit only for UK)
	BPA 347 G 24mm XL ² connector clip
	BPA 346 G 15mm XL ² connector clip
	BPA 339 G Universal T bar connector clip
	BPA 338G Axiom universal splice plate



RECOMMENDATIONS

Axiom Canopy and Axiom Knife Edge Canopy should always be installed in accordance with all applicable building codes and regulations.

- Axiom Canopy and Axiom Knife Edge Canopy should only be installed on a horizontal plane. They are not approved for exterior installations.
- Axiom Canopy and Axiom Knife Edge Canopy kits should always be installed by a minimum of 2 people.
- Read the installation instructions included in the carton carefully before starting the installation.
- Make sure the installation is clean and safe.
- Any additional weights (such as luminaires...) must be independently suspended from the soffit.
- Aircraft cables are included as a standard in the kit but if you require more lateral restraint, we would recommend the use of 6mm threaded rod or quick hangers.