



OPTIMA CANOPY



Create, Accentuate, Define

Optima Canopy is a mineral panel, pre-formed into a convex, concave, square, circle, hexagon, trapezoid, or parallelogram shape. The different shapes enable you to accentuate an area and express your creativity.

Optima Canopy is a new solution which complements and extends the current collection of Armstrong Canopies.

Optima Canopy is a creative design solution for many different room types and environments with a wide variety of shapes and designs available.

Optima Canopy improves the overall comfort of an individual's working environment, offering excellent sound absorption and light reflectance.

Optima Canopies can be used to provide a striking design for a new space or be used to refresh or renovate an existing area.

Optima Canopies provide a bespoke finish and are very quick and easy to install.

No special tools are required for installation and you can easily adjust and fit the Canopy to a variety of heights and angles.

Hospitality, retail

Offices

Reception areas, atriums

Open plenum areas

Transportation, airports

Exhibitions

Restructure The Space

Optima Canopy is a flat, 22 mm thick, glass fibre panel available in 10 different shapes.

The face and edges are finished with an abrasion resistant paint on a glass fibre face scrim providing a white and strong surface.

An aluminium square frame is embedded in the back of the Canopy. This frame allows the suspension of Optima Canopies as individual shapes or collectively on grouping frames.

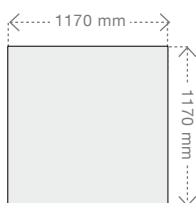
This can be either directly from the soffit or below an existing suspended ceiling system.

Available Shapes

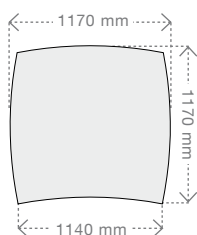


All Optima Canopies are flat panels.

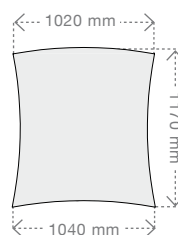
Nominal 1200 x 1200 mm shapes



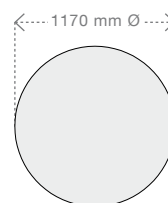
Square



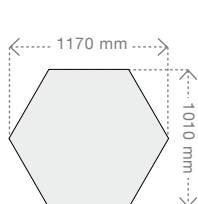
Convex



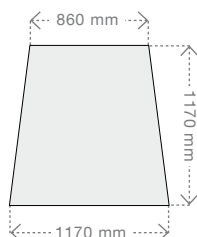
Concave



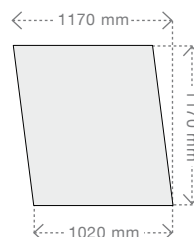
Circle



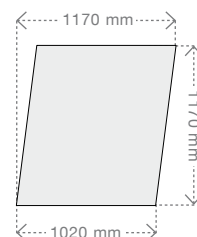
Hexagon



Trapezoid

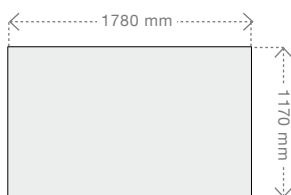


Left Parallelogram



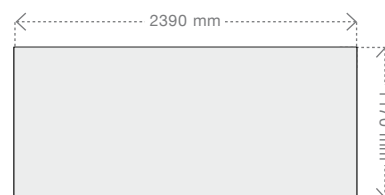
Right Parallelogram

Nominal 1200 x 1800 mm shapes



Small Rectangle

Nominal 1200 x 2400 mm shapes



Large Rectangle

Individual Suspension

- With drywall clips directly to a plasterboard soffit
- With aircraft cables
- Attached to an existing suspended ceiling system



Group Configuration

Using a grouping frame allows a perfect alignment of multiple Canopies close to each other.

You can group shapes in unlimited combinations. Grouping layout ideas are suggested in the Optima Canopy technical brochure. It is also possible to create your own personal designs and layouts.

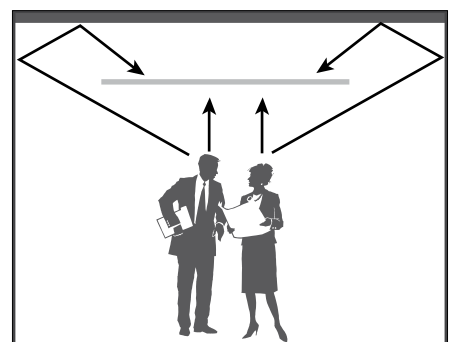
Thanks to the flexibility of the grouping system, you can make your ideas become reality.





Enhanced Acoustical Benefits

Optima Canopy offers excellent sound absorption. Depending on its size, each Canopy provides between 1.5 and 5.25 Sabines of sound absorption per piece, calculated as an average of 500 – 4000 Hz (ENISO354). Optima Canopies provide greater sound absorption than a continuous ceiling of the same visible surface area because the sound is absorbed from both the front and back surfaces. Which means one Canopy can absorb up to 88% more sound than the same visible surface area of a traditional wall to wall Optima ceiling.



The high sound absorption performance of Optima Canopy helps to:

- Reduce reverberation time
- Reduce background noise level.

Physical Data

Colour	White
Edge	Paint on edges
Edge detail	Board
Humidity resistance	90% RH
Light reflectance	≈ 90%
Fire reaction	B, s1-d0
Scratch resistance	Yes
Weight	Nominal 1200 x 1200 = 2kg Nominal 1200 x 2400 = 4kg

Sound absorption – Sabine m²

Item nr.	Shape	Sabines* per item
BPCS5440	Square	2.45
BPCS5441	Convex	2.35
BPCS5442	Concave	1.85
BPCS5443	Circle	2.00
BPCS5444	Hexagon	1.50
BPCS5445	Trapezoid	2.05
BPCS5446	Left Parallelogram	2.05
BPCS5447	Right Parallelogram	2.05
BPCS5448	Small Rectangle	3.85
BPCS5449	Large Rectangle	5.25

* Average of 500-4000Hz, laboratory measurements with units suspended at 1 metre, in accordance with EN ISO 354-2003. Call your Internal Technical Sales Group for further information on Canopy acoustic performance.

Cleaning

Use a clean, dry, soft white cloth to wipe off any dirt or fingerprints. Regular light dusting of the back side of the canopy is recommended.



Recommendation



- Attach the gripper structure anchor or the drywall clip with a suitable fastener in accordance with EN13964.

- Optima Canopies are not recommended for external use.
- The Canopy should always be suspended by 2 people.
- In case a Canopy is attached to the grid of an existing ceiling system, it needs to be verified if the load capacity is still sufficient or whether the existing ceiling needs additional hangers to the structure.
- Do not allow excess cable to drop below the Canopy when adjusting the panel to the required height. This could cause injury or panel edge damage.

Please contact our Internal Technical Sales Group for further details 0800 371 849 (UK) and 1800 409 002 (ROI).

Please contact
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