

MetalWorks V-P500 Acoustic Baffles

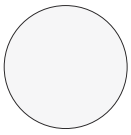
Armstrong®
CEILING SOLUTIONS

31 JULY 2023

METALWORKS V-P500



MetalWorks V-P500 Acoustic Baffles



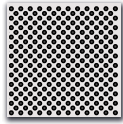
Global White
(WH)



Wood Effects
available



Custom colours
available



Micro Perforated
Hole diameter: 1.5mm
Open area: 22%

Benefits

- Modern linear appearance
- Flexible sizes and configurations
- Highly customisable options & finishes
- Excellent acoustic performance
- Robust, engineered system
- Quick and easy to install

Typical Applications

- Airports / Bus / Train Stations
- Retail
- Education – Lecture theatres and Libraries
- Atriums, Lobbies, Reception Areas
- Leisure centres
- Open spaces that are acoustically challenged
- Plenum mask where continuous service access is required

Due to printing limitations, shades may vary from actual product.

Cover: Brisbane Airport | **Project below:** Paddington Station, London | **Product:** Armstrong METALWORKS® V-P500 Acoustic Baffles



Physical data

Item	Dimensions (mm)	Pieces / Crate	Weight per Piece
VPSC301030M2WH	L = 3000 x W = 30 x H = 100	126	4.15 kg
VPSC301530M2WH	L = 3000 x W = 30 x H = 150	105	5.80 kg
VPSC302030M2WH	L = 3000 x W = 30 x H = 200	63	7.47 kg
VPSC303030M2WH	L = 3000 x W = 30 x H = 300	63	10.78 kg
VPSC304030M2WH	L = 3000 x W = 30 x H = 400	42	14.10 kg
VPSC301050M2WH	L = 3000 x W = 50 x H = 100	78	4.81 kg
VPSC302550M2WH	L = 3000 x W = 50 x H = 250	39	9.79 kg
VPSC303550M2WH	L = 3000 x W = 50 x H = 350	39	13.11 kg
VPSC304550M2WH	L = 3000 x W = 50 x H = 450	26	16.42 kg

Other Baffle sizes (depth and length) available on request.

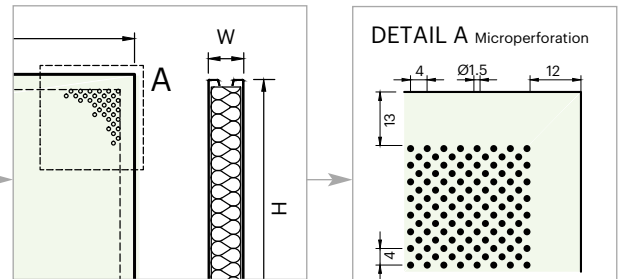
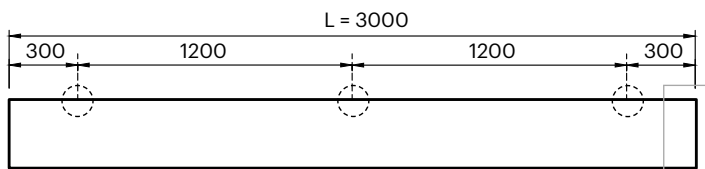
Material: Galvanised steel (0.70mm guage)

Perforations: Both vertical sides Microperforated with approximately 12mm plain border. Other perforations available on request.

Acoustical infill: Glass wool acoustic pad 35kg/m³ with black acoustic fleece on both sides.

Surface Finish: Powdercoated – Global White (WH). Customs colours available on request.

Specification: Armstrong METALWORKS® V-P500 Acoustic Baffles Ceiling with concealed U-Profile Channel Suspension.



Performance



Sound Absorption
EN ISO 354 &
EN ISO 11654

Armstrong METALWORKS® V-P500 Acoustic Baffles can significantly reduce background noise levels and reverberation times within spaces and enhance speech intelligibility. They provide absorption on all surfaces of the product either as a 'planar' absorber (w), when installed as a linear array; or as a 'discrete' absorber when installed as separate decorative elements.

Acoustical Data – 1000mm airspace

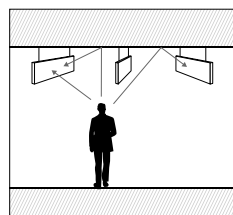
Perforation – Dimensions (mm)

EAA –
Sabines*

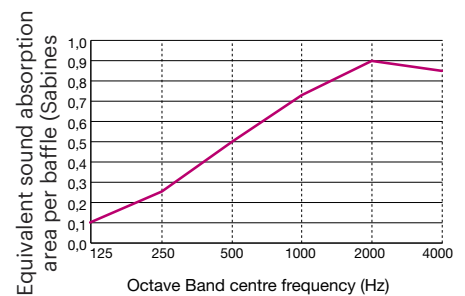
- Microperforated 300 x 1800

0.73

* Average of 500-4000Hz, laboratory measurements with units suspended at 1000 mm, in accordance with EN ISO 354:2003. Contact the Armstrong Technical Sales team for further acoustic and performance information.



Discrete absorption



Acoustical Data – 600mm total depth (300mm Void)

Perforation – Dimensions (mm)

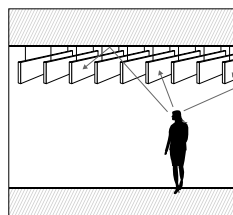
Spacing
centre (mm)

α_w

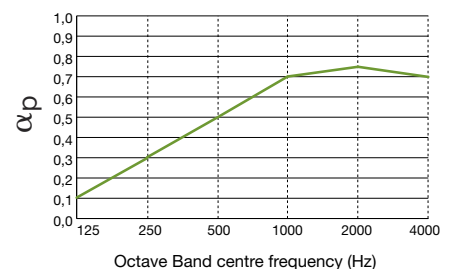
- Microperforated 300 x 1800

300

0.55(H)



Planar absorption



Conforms with NCC
Spec. C1.10 as tested
to AS 5637.1:2015 –
Group 1, and ISO 5660
– Group 1 – S



Humidity
Resistance
99%



Recycled Content
≤ 30%

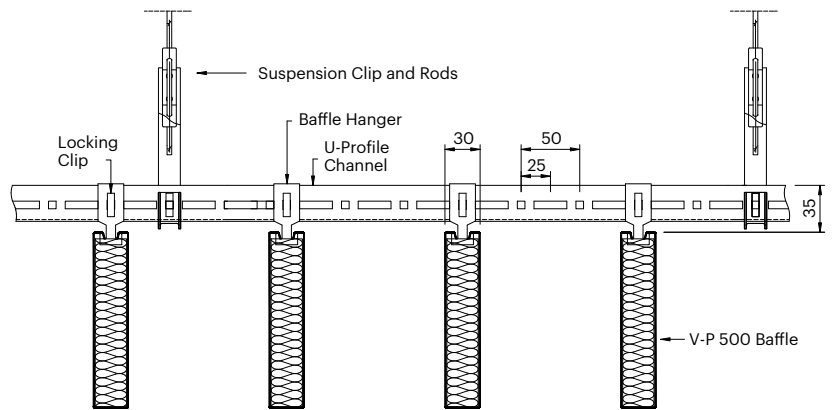


Light Reflec-
tance
65%



Suspension System and Accessories

Item	Description
BPM300100B	U-Profile Channel (3750mm)
UNI103B	U-Profile Channel Connector
ABH	Baffle Hanger
ABBC	Baffle Bottom Connector
ABTC	Baffle Top Connector
BPM300375	Baffle End Cap
UNI203B	Suspension Clip for 5mm Rod
UNITRCB	Suspension Clip for M6 Threaded Rod
ROD 5mm	5mm Suspension Rod
UNI200	Locking Clip
UNI202	U-Profile Wall Anchor Bracket



Refer to Armstrong METALWORKS® V-P500 Installation Guide for more information.

Contact us

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