

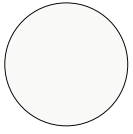
# MetalWorks V-P500 Acoustic Baffles

**Armstrong**<sup>®</sup>  
CEILING SOLUTIONS



METALWORKS V - P500

# MetalWorks V-P500 Acoustic Baffles



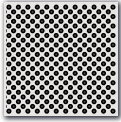
Global White  
(WH)



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.

Project: 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
VPSC302550M2WH	L = 3000 x W = 50 x H = 250	39	9.79 kg
VPSC304550M2WH	L = 3000 x W = 50 x H = 450	26	16.42 kg
VPSC301050M2WH	L = 3000 x W = 50 x H = 100	78	4.81 kg
VPSC303550M2WH	L = 3000 x W = 50 x H = 350	39	13.11 kg

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

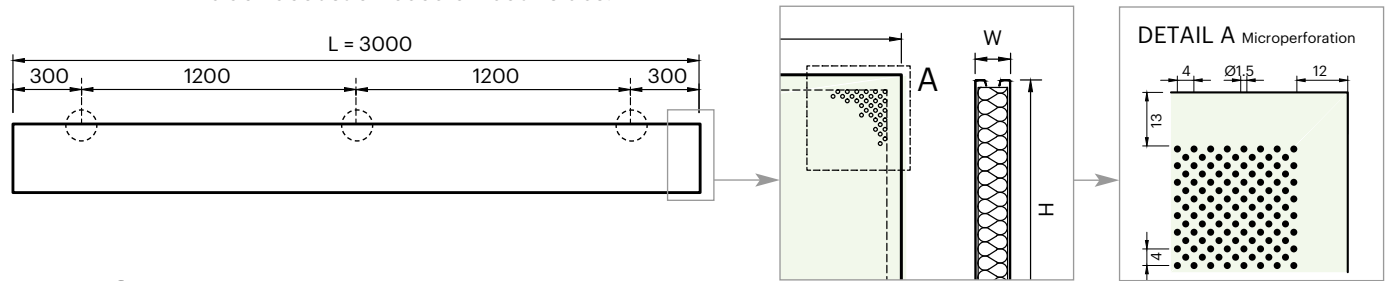
**Material:** Galvanised steel (0.70mm gauge)

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

**Acoustical infill:** Glass wool acoustic pad 35kg/m<sup>3</sup> 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



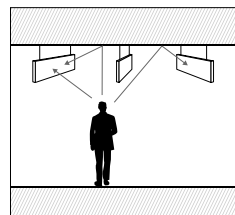
Sound Absorption  
EN ISO 354 &  
EN ISO 11654

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.

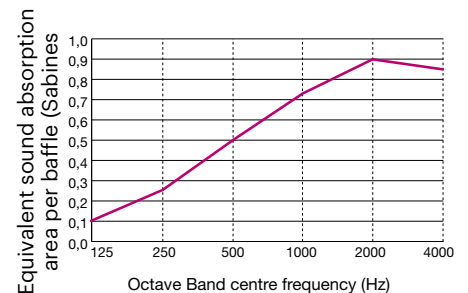
## Acoustical Data – 1000mm airspace

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.

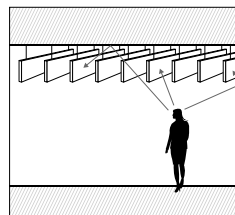


Discrete absorption

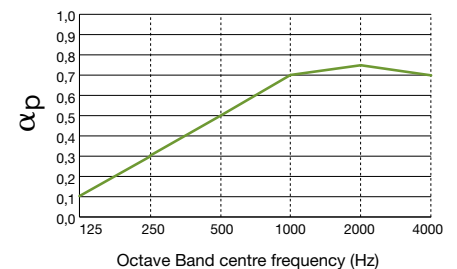


## Acoustical Data – 600mm total depth (300mm Void)

Perforation – Dimensions (mm)	Spacing centre (mm)	$\alpha_w$
• 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%

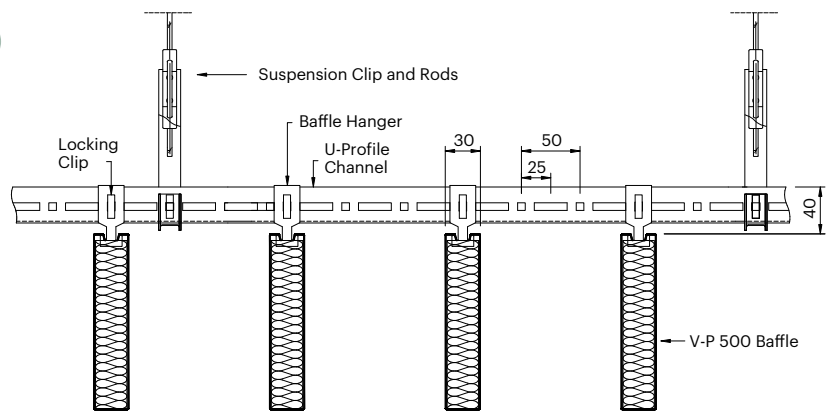


Light Reflectance  
65%



## Suspension System and Accessories

Item	Description
UNI111B	U-Profile Channel (3750mm)
UNI103B	U-Profile Channel Connector
BPM300367	Baffle Hanger
BPM300371	Baffle Connector
BPM311044	Baffle Distance Holder
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 Bracke



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

## Contact us

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CEILING SOLUTIONS

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AWP1121 | Produced 2 November 2021

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