

METAL Baffles

Metal
acoustic
baffles

BENEFITS

- Modern linear appearance
- Highly customisable system
- Excellent acoustic performance
- Multiple installation possibilities
- Robust, engineered solution
- Quick and easy to install.

Inspiring Great Spaces™

Armstrong®
CEILING SOLUTIONS



Why use **METAL** baffles?

Armstrong METAL Baffles are precision engineered metal elements with a regular perforation pattern and high performance glass wool insert for outstanding **acoustic performance**.

Available in white or a range of RAL/NCS colours for individual project solutions, the baffles combine high levels of light reflectance* with an **exciting linear architectural visual** to enhance modern structural designs and interiors.

Used as a plenum mask where continuous services access is required; in semi-exposed environment of a station platform, or simply as an aesthetic ceiling solution for open space areas, their **robust design** and **precise lines** add additional impact in any ceiling environment.

Armstrong METAL Baffles can be easily customised in dimensions, perforations and colours, to achieve the best design for any architectural project.

* white for best LR performance.



Project: Paddington Station, London
Product: V-P 500 Metal Baffles

Physical data

Item numbers

Item nr.	Dimensions (mm)	Pieces / carton	Weight
CS 5128	300 x 1800 x 30	2pc/ctn	5.7 kg/pc

Other dimensions available on request.

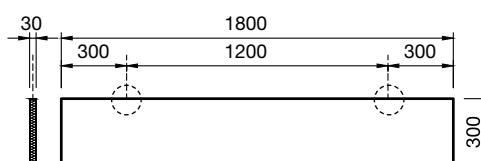
Colour	RAL 9010 pure white post-coated powder painted visible surface. Other colours available on request.
Material	Galvanised steel
Perforations	Both vertical sides Rd 1522 Microperforated with approx. 12 mm plain border. Other perforations available on request.
Acoustical infill	Glass wool acoustic pad 25 mm, 25 kg/m ³ with black acoustic fleece on both sides
Options	Separate end caps / item no. M300375

Kit content	1 Hanging wire kit required for 2 Baffles: CS 5136 - 4x Hanging wires - 4x Cable adjusters - 4x Cable finishing hooks - 4x Eye bolts M6 x 14 mm - 4x Suspension element top parts - 4x Suspension element bottom parts
--------------------	--

Accessories Hanging kit to be ordered separately

Dimensions

Module 300 x 1800 x 30 mm



Performances

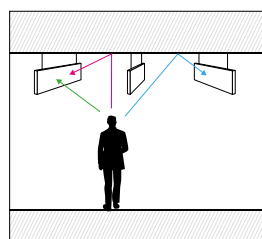


Armstrong METAL Baffles can significantly reduce background noise levels and reverberation times within spaces and enhance speech intelligibility. They provide absorption on all surfaces of the product either as a 'planar' absorber (α_w), when installed as a linear array; or as a 'discrete' absorber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

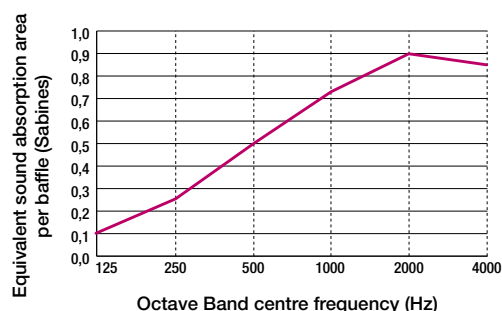
Acoustical Data - 1000 mm airspace

Dimensions	EEA - Sabines*
• METAL Baffles Rd 1522 300 x 1800 mm	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.

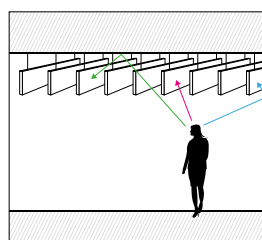


Discrete absorption

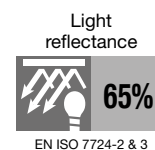
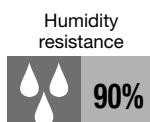
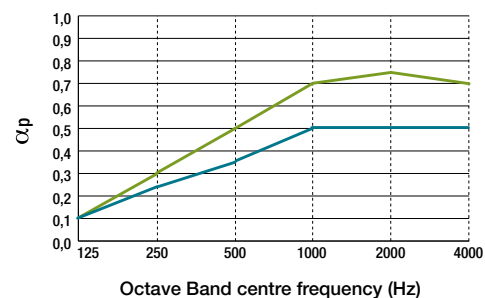


Acoustical Data - 600 mm total depth (300mm Void)

Dimensions	Spacing centre (mm)	α_w
• METAL Baffles Rd 1522 300 x 1800 mm	300	0.55(H)
• METAL Baffles Rd 1522 300 x 1800 mm	450	0.45



Planar absorption



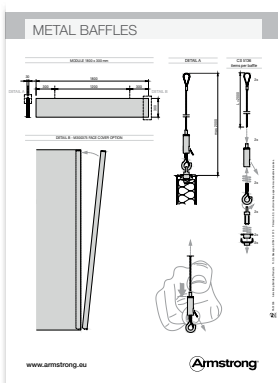
Cleanability and maintenance

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

■ Can be cleaned with disinfectants commonly used in Healthcare premises.

■ Superior level of surface scratch resistance, evaluated with the Hess Rake test.

■ Frequent ceiling tile removal, typically in areas where building service equipment is located, means that a higher level of product durability and resistance to handling may be desired. Products in this category provide enhanced durability performance.



Installation guide

Installation

Armstrong METAL Baffles may be installed using standard grid suspension systems, or hung individually from the soffit using an aircraft cable suspension system.



More discontinuous solutions by Armstrong

Typical Applications

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

Armstrong METAL Baffles are used in a range of applications requiring a combination of aesthetics and high acoustic performance to control noise. Ideal for use in buildings utilising high thermal mass construction for natural heating and cooling; in large auditoria, restaurants and busy spaces to provide higher levels of sound control; in any area where structural design precludes traditional ceiling solutions.



Download and open the barcode scanner application. Point your phone's camera at this code and scan.

Advisory note

All photographic and design elements supplied in this brochure do not necessarily reflect any recommendation by any of the companies named in this brochure as to the proper use or recommended methods of installation of suspended ceilings and are supplied only as informative material. 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. All statements and technical information contained in this brochure, or any publication of the companies named in this brochure, relating to Armstrong ceilings are based on results obtained under laboratory test conditions. **It is the responsibility of the user to verify with the seller of the products in writing that such statements and information are appropriate to the specific use intended.** 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.

www.armstrong-ceilings.co.uk
www.armstrong-ceilings.ie

Armstrong®
 CEILING SOLUTIONS