

High  
performance  
acoustic  
baffles

# OPTIMA Baffles

## BENEFITS

- Modern linear appearance
- Great acoustic performances
- Integrated spiral anchors factory fitted for easy alignment and installation
- Install individually or in groups
- High light reflectance for energy savings
- From Armstrong, the leader in ceiling design

**Armstrong®**



## Why use **OPTIMA** baffles?

Armstrong OPTIMA Baffles are engineered acoustical products with an all-round scrim facing, finished with a new, factory applied, high white paint finish giving exceptional levels of **acoustic performance** and **light reflectance**.

Ideal for noisy environments where traditional acoustic ceilings are either not possible for structural design reasons, or cannot provide the high level of performance required, OPTIMA Baffles provide an **economic solution** with an **attractive linear visual** to enhance modern building interiors.

Available off-the-shelf in standard white or in bespoke colours and sizes to match individual project requirements, they are **ready to fit** and come complete with pre-screwed spiral anchors, making them the **easiest and quickest baffle solution** around.



# Physical data

## Item numbers

Item nr.	Dimensions (mm)	Pieces / carton	Weight
CS 5133 WH	400 x 1200 x 40	2pcs/ctn	2,3 kg/product
CS 5134 WH	400 x 1800 x 40	2pcs/ctn	3,5 kg/product

Other dimensions and shapes on request.

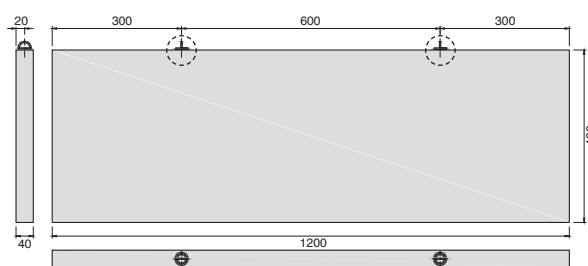
<b>Colour*</b>	White (WH)
<b>Edge</b>	Painted on edges
<b>Kit content</b>	1 Hanging wire kit required for 2 Baffles: CS 5135 - 4x hanging wires - 4x cable adjusters - 4x cable finishing hooks

Hanging kit to be ordered separately

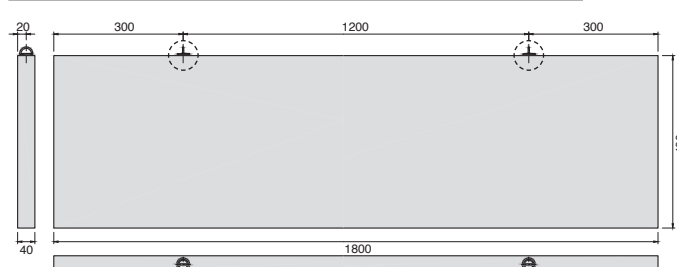
\*Other RAL colours available on special request.

## Dimensions

Module 400 x 1200 x 40 mm



Module 400 x 1800 x 40 mm



# Performances

Sound Absorption



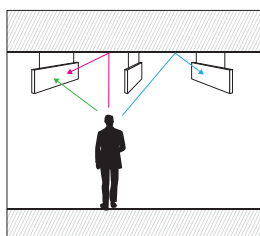
EN ISO 354 &  
EN ISO 11654

Armstrong OPTIMA 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 ( $\alpha_w$ ), when installed as a linear array; or as a 'discrete' absorber (EAA) when installed as separate decorative elements.

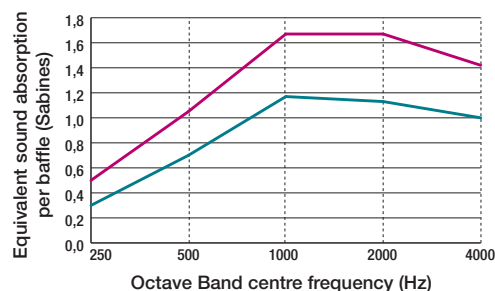
## Acoustical Data - 1000 mm airspace

Dimensions	EEA - Sabines*
● OPTIMA Baffles - 400 x 1200 mm	1.00
● OPTIMA Baffles - 400 x 1800 mm	1.45

\* 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.

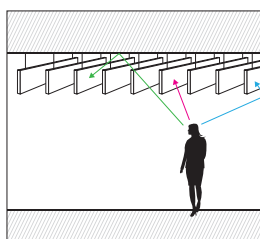


Discrete absorption

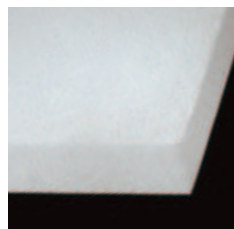
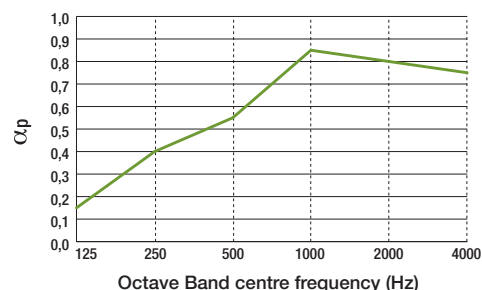


## Acoustical Data - 1000 mm total depth (600 mm Void)

Dimension	$\alpha_w$
● OPTIMA Baffles 400 mm (450 mm centres)	0.60(MH)



Planar absorption



Fire reaction



EN 13501-1

EEA Euroclass B-s1, d0.

Humidity resistance



90%

Recycled content



80%

EN ISO 14021

Light reflectance

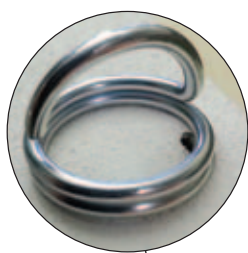


87%

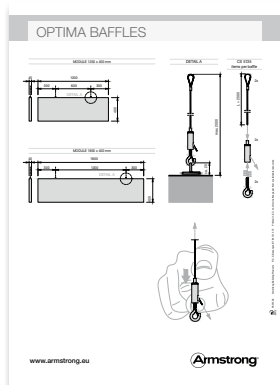
EN ISO 7724-2 & 3

Contributing to a light, bright interior with reduced energy demand.





Integrated spiral anchors are factory fitted for easy alignment and installation.



Installation guide

## Installation

OPTIMA Baffles are delivered to site complete and require no additional preparation or assembly prior to installation.

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

**Please refer to the Installation Guide for more detailed installation instructions.**

## Typical Applications

Typically used to provide high levels of acoustic absorption in schools, offices, leisure centres, transport hubs, etc.

Ideal for use in low energy buildings utilising high thermal mass construction techniques, naturally lit areas with skylights, locations where normal suspended grid fixing is not possible, and in lower profile applications requiring a more economical solution.



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### Advisory note

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