



SOUNDSCAPES®  
BAFFLES  
CURVES

Inspiring Great Spaces®

**Armstrong®**  
CEILING SOLUTIONS



## SOUNDSCAPES® BAFFLES CURVES

With SOUNDSCAPES Baffles Curves, you can now create exciting interiors without compromising acoustic performance.

Get all the benefits of traditional rectangular baffles, with a unique waveform edge that creates a fresh and calming visual.

### BENEFITS



- Fresh and innovative visual
- The ideal solution for noisy environments
- Cost effective and retrofittable
- Simple installation – individually or in groups from PeakForm™ 24mm Grid
- Easy integration with mechanical services
- Custom colours available
- Durable, high light reflective finish (standard white)
- High acoustic performance

### TYPICAL APPLICATIONS

- Education
- Offices
- Leisure
- Transport
- Large spaces with exposed soffits

# PHYSICAL DATA

Item nr.	Dimensions (mm)	Pieces / carton	Weight
CS5163WH	1200 x 400 x 40	2pcs	2.3 kg/panel
CS5164WH	1800 x 400 x 40	2pcs	3.5 kg/panel

<b>Material:</b>	Glass fibre substrate
<b>Surface Finish:</b>	Durable scrim with factory applied paint
<b>Edge</b>	Painted edges
<b>Colours</b>	  WH-Traffic White RAL9016      RAL colours available upon request



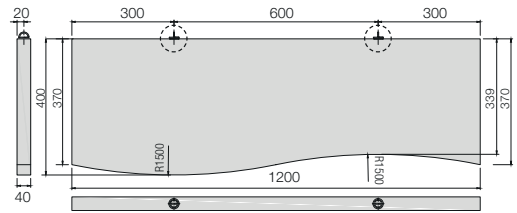
Conforms with BCA Spec. C1.10 and tested to AS/NZS 3837:1998 – Group 1



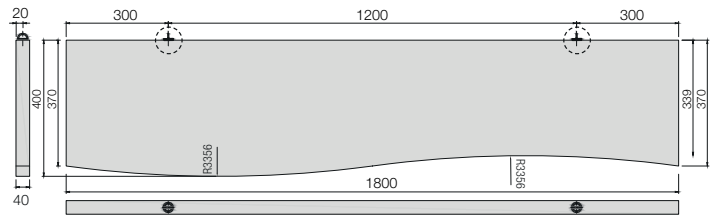
Humidity Resistance 95%

## Dimensions

Panel Item CS5163WH: 1200 x 400 x 40mm



Panel Item CS5164WH: 1800 x 400 x 40mm



# PERFORMANCE



Sound Absorption  
EN ISO 354 & EN ISO 11654

SOUNDSCAPES® Baffles Curves 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 when installed as separate decorative elements.

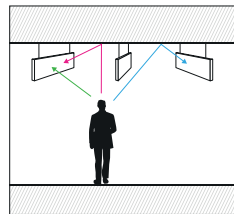
## Acoustical Data – 1000 mm airspace

Dimensions	Sabines* per panel
● SOUNDSCAPES Baffles Curves – 1200 x 400mm	1.00
● SOUNDSCAPES Baffles Curves – 1800 x 400mm	1.45

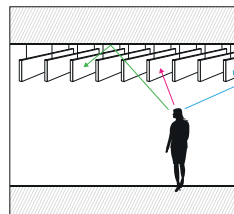
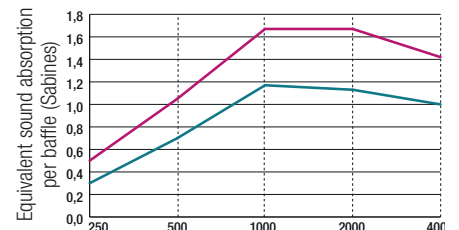
\* Average of 500-4000Hz, laboratory measurements with units suspended at 1000mm (depth) and at 2000mm (min.) centres in accordance with EN ISO 354:2003. Contact the Armstrong Ceiling Solutions Service Centre for further acoustic and performance information.

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

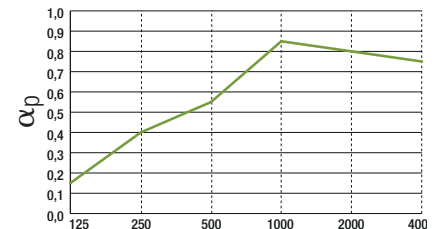
Dimension	$\alpha_w$ /NRC
● SOUNDSCAPES Baffles Curves 400mm (450mm centres)	0.60(MH)/0.65



Discrete absorption



Planar absorption



Acoustic Solutions	No Treatment	SOUNDSCAPES Baffles Curves: 1200 x 400 x 40mm
	Exposed Structure	190 Baffles (Discrete absorbers): 19 rows of 10 Baffles (rows at 2m centres)
Reverberation Time (sec)	3.4	1.2
RT improvement (%)	ref	65%
Sound Level Reduction (dB)	ref	-3 dB
Sound Absorption in Sabines (metric) for Coverage Area	ref	190 Baffles @ 1.00 Sabin/Baffle = 190 Sabines

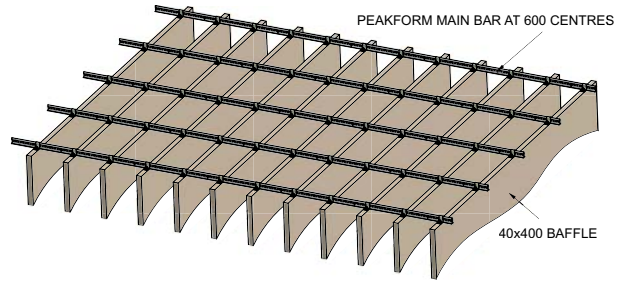
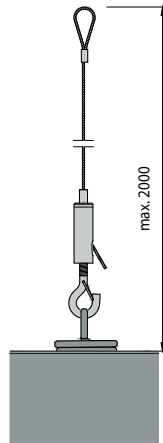


Notes: 450m<sup>2</sup> Space: Exposed Structure (15m x 30m), 4.5m to deck, drywall with windows on two sides, commercial carpet

## INSTALLATION AND ACCESSORIES



Item	Description
BPCS5135A	Hanging Kit (Ordered separately) Includes – Aircraft cables (4), Adjustors (4) and Gripper Hooks (4) Note: 1 Hanging Kit required for 2 Baffles
CS5548BZC	Baffle Group Hanging Kit (for Prelude Grid – Ordered separately) Includes: Tee Bar Hanger Clips (8) and Carabiners (4)



SOUNDSCAPES® Baffles Curves may be installed using standard PeakForm™ Prelude™ 24mm Grid suspension system, or hung individually from the soffit using Hanging Kits.

Integrated Spiral Anchor Clips are factory fitted for easy alignment and installation.

Please refer to the Installation Guide for more details.

Note: Do not butt Baffles end to end, but ensure a minimum gap of 50mm.

## CONTACT



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green building council australia

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Printed on Maine Recycled Silk paper

AWP0318

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