



SOUNDSCAPES®
CANOPIES

Now available in Wood Effects and Powercoated Colours



Key Selection Attributes

- Enhance acoustics with spot absorption
- Aesthetically define spaces
- Hill or Valley configuration
- Two panel sizes
- Custom colours available, including Wood Effects
- Colour co-ordinate with SOUNDSCAPES® Shapes
- Adjustable to special heights
- Flush-mounted suspension system for clean look
- Energy-efficient, high light-reflectant surface
- Sustainable design: Contributes to Green Star™ Tools



Detail



Smooth painted finish on all sides and edges



Suspension Hanging Kit



Standard Finishing



Traffic White

Light Ivory

Pale Green

Pastel Blue

Traffic Grey

Pale Brown



Wood Effects available upon request



Powdercoated colours available upon request

Physical Details



Sound Absorption
EN ISO 354 and
EN ISO 11654

Sound Absorption in Sabin

The Sabin is the unit of total sound absorption provided by an object. This is the preferred metric for “space absorbers” such as clouds, canopies or baffles installed within an architectural space. Total acoustical absorption for a suspended ceiling is calculated by multiplying the exposed surface area by the material NRC while “space absorbers” are directly measured. SOUNDSCAPES® Canopies provide greater sound absorption than a continuous ceiling of the same surface area because the sound is absorbed from

both the front and back surfaces. The installation of canopies in a reverberant space can significantly reduce the background noise and reverberation time, enhancing speech intelligibility.

Factors that may affect the installed acoustical performance relative to the published results are:

- Size and shape of canopy
- Number of canopies and their layout/location
- Suspension distance below exposed deck or finished ceiling



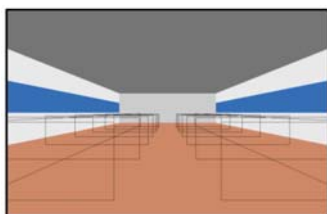
Recycled Content
80%

Acoustical Performance Comparison: Different Ways of Adding Sound Absorption

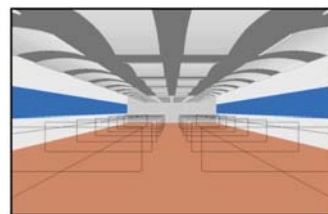
Acoustic Solution	None	SOUNDSCAPES Canopies @ 25% of ceiling	SOUNDSCAPES Canopies @ 50% of ceiling	Continuous ULTIMA Ceiling
	Exposed Structure	50 Canopies (Large)	100 Canopies (Large)	Suspended 1 metre below deck
Reverberation Time (sec)	3.4	1.5	0.9	0.6
RT reduction (%)	ref	57%	73%	83%
SPL reduction (dB)	ref	-3 dB	-4 dB	-5 dB
Sound Absorption in Sabin (metric) for Coverage Area	ref	50 canopies @ 2.44 Sabin/panel = 122 Sabin	100 panels @ 2.44 Sabin/panel = 244 Sabin	450m ² x 0.84α = 378 Sabin

Notes: All values for the averaged sound absorption coefficient, Sabin absorption, and dB level reduction of 125Hz-4kHz, are based on the speech frequency range of 500-4000Hz. Reverberation Time is an average of 500 & 1000Hz only. Sabin values are all metric.

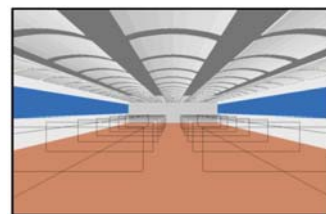
450 square metres Exposed Structure (15 metres x 30 metres), 4.5 metres to deck, drywall with windows two sides, commercial carpet.



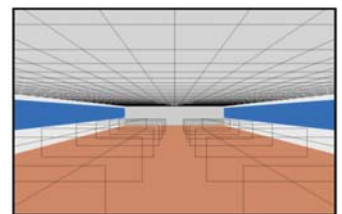
Exposed Structure



SOUNDSCAPES Canopies @ 25% of ceiling



SOUNDSCAPES Canopies @ 50% of ceiling



Continuous ULTIMA™ Ceiling

Components

- Pre-curved SoundScapes Canopies
- Suspension Hanging Kit: Cables included

Canopy Panel Item Number / Colour Selection

Description	Shape	Dimensions mm*	Traffic White – RAL9016	Colour Options Available**
Hill / Valley		1870 x 1181 x 30	SCA6TWH2*	Wood Effects RAL Colours

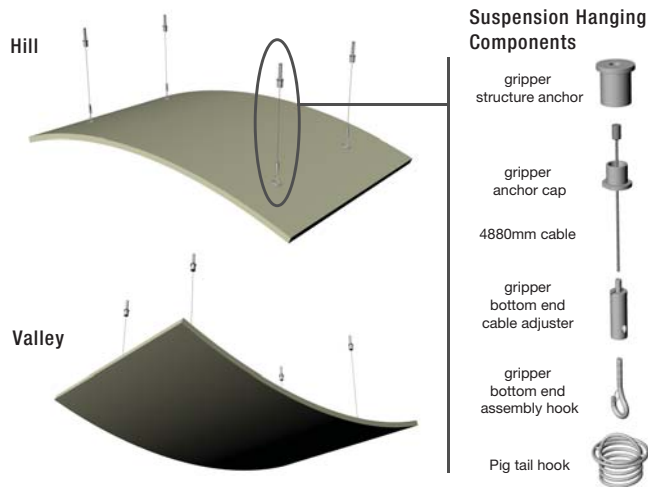
Exact dimensions for each canopy are shown on page 4.

*Stock Item

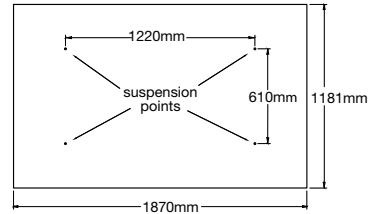
** Refer to “Wood Effects and RAL Colour Palette Chart” for details

Item No.	Description
BY6010	Suspension Hanging Kit (Included in Canopies Box).
7006	Escutcheon Kit – Used when hanging canopy below an existing ceiling; 2 kits needed per canopy panel.

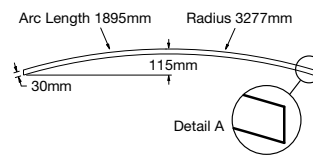
Installation and Accessories




Plan View







Elevation View



Physical Data

Material:	Glass fibre substrate Recycled content 80%
Surface Finish:	Durable scrim with factory-applied paint.
 Colour:	Traffic White (RAL 9016 – standard). Special RAL Colours available, including Wood Effects.
 Edge Detail:	Painted square edge
 Panel Sizes:	1870x1181mm
 Thickness:	30mm
 Humidity Resistance:	95% RH
 Light Reflectance:	90% (Traffic White only)
 Weight:	8kg: 1870x1181mm panel

 Acoustical Performance:	2.44 Sabins per panel (1870x1181mm) NRC equivalent of 0.95 (full ceiling application)
 Fire Performance:	BS 476 Part 6 & 7. Class 0
 Suspension System:	Flush-mounted hardware system and aircraft cables provided in panel kits.
Installation:	Refer to Installation Instructions on website for details before installing panels.
 Recycled Content:	80%

Design Considerations: SOUNDSCAPES® Canopies are for interior applications only and cannot be cut, drilled, or altered in any way, nor support any other material. Canopies are designed to be installed a minimum of 460mm apart. Lipping may be visible in installations closer than 460mm.

SOUNDSCAPES® is a value-added product made from Armstrong OPTRA FG product line.

Contact

For further details, please contact your local representative or email asia.support@knaufarmstrong.com