

Spec Sheet

Boyd Visuals Acoustic Panels are a compressed polyester panel made from a minimum of 60% recycled polyester. Available in a variety of colours Acoustic Panels offer great flexibility, designed to be used as a wall treatment to manage sound reverberation or in many formats as a finished product helping managing ambient sound.

Acoustic Panels are a lightweight and semi-rigid panel available in 12mm thickness (or custom made to 24mm thickness). Acoustic Panels can be easily cut to size to suit any interior project. The semi rigid structure means printing is possible and edging not required.

Composition

100% PET

Acoustic Rating

NRC of 0.40 when adhered directly to the wall.

NRC of 0.80 with a 50mm air gap.

Applications

Acoustic wall covering for commercial, retail and education spaces.

Cutting to any shape including detailed patterns.

Acoustic pinboard surface. Space divider offering privacy and sound absorption.

Printing of logos or designs

Colours

Thickness

12mm

Environment

Low VOC
Made from minimum 60% recycled polyester that is Non-irritant / Non-allergenic/ Non chemical binders

Installation

See Boyd Visuals Installation Instructions on our website.

Dimensions

1220 x 2440mm

Product Specification

Product Name:
Boyd Visuals Acoustic Panel

Composition:
100% Polyester Fibre with not less than 60% recycled content

Panel Dimensions:
1220mm x 2440mm

Tolerance +5mm
Thickness 12mm

Pattern Repeat

Solid colour with no pattern repeat but Acoustic Panels have a slight directional grain.

Colour can vary by batch due to the nature of the production process.

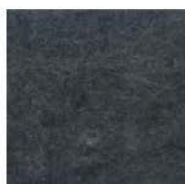
White



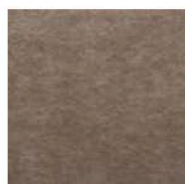
Light Grey



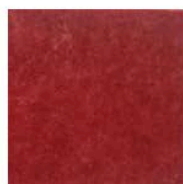
Dark Grey



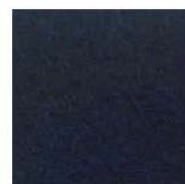
Dark Camel



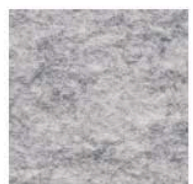
Wine



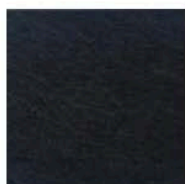
Blackish Blue



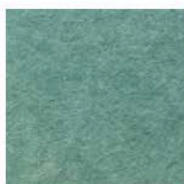
Dark Silvery Grey



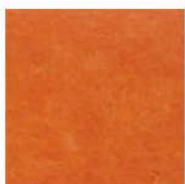
Black



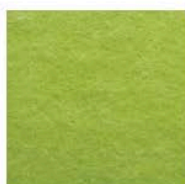
Turquoise



Orange



Apple Green



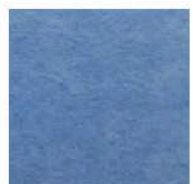
Yellow



Sesame Grey



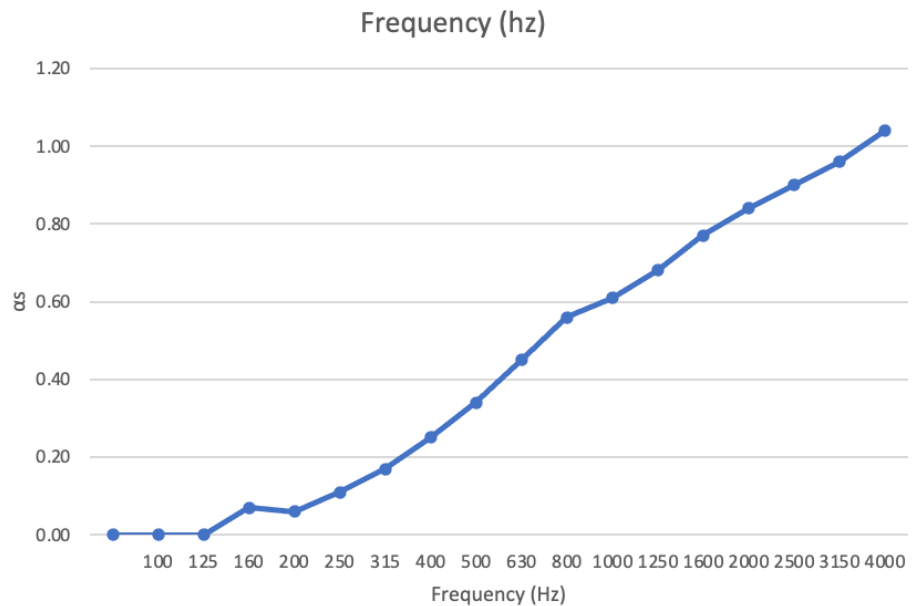
Sky Blue



Sound Absorption Coefficients

Volume of reverberation room	Vs, m3	240	Installation Type	Type-A
Room Temperature	t1, °C	23	t2, °C	23
Relative humidity of test rooms	H1, %	75	H2, %	75
Sample Size (width*length), mm	2440*1200		Thickness, mm	12.0
Edge Treatment	/		Mass, kg/m3	168
Test Area, m2	10.8			

Frequency (Hz)	α_s
100	0.00
125	0.00
160	0.00
200	0.07
250	0.06
315	0.11
400	0.17
500	0.25
630	0.34
800	0.45
1000	0.56
1250	0.61
1600	0.68
2000	0.77
2500	0.84
3150	0.90
4000	0.96
5000	1.04



Rating according to ISO11654: 1997	F (Hz)	α_p
Weighted sound absorption coefficient, $\alpha_w = 0.41$ (MH) Sound absorption class: D	250	0.10
	500	0.25
	1000	0.55
	2000	0.75
	4000	0.95

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round to the nearest 0.05