

ALPHA

Recycled polyester acoustic panels! Alpha is an ultra-versatile acoustic panel used to manufacture a wide range of sustainable acoustic solutions.

Alpha Panels have been manufactured using 65% post-consumer recycled fibres and is 100% recyclable. The recycled PET fibres are prominently sourced from bottles and other recyclable PET consumables. Panels are made by compressing FR oil-free PET fibres which go through a spinning, punching and baking process. We have identified the perfect density that offers a great balance between acoustic performance and rigidity. We manufacture Alpha sheets in 20 colours and thicknesses of 12/24mm.



DATA

FIRE SPECIFICATION

EN13501-:2007+A1:2009 Class B s1, d0
ASTM E84-2019 B Class A

SIZE

1225mm x 2800mm x 12mm
1225mm x 2800mm x 24mm

COMPOSITION

A minimum of 65% post-consumer recycled polyester fibres.

WEIGHT M2

12mm 2.4kg | 24mm 3.8kg

VOC EMISSIONS

<0.02mg/M2

**A range of post-consumer recycled plastics are used in the manufacture of Alpha panels. Figures are based on 23.83 gram bottles. Each panel will vary on the recycled content.

FORMALDEHYDE

0.00 UG/G

OKEO TEX

STANDARD 100 - CLASS 1

RECYCLABLE CONTENT

100%

ACOUSTIC RATING

CLASS D/A

CUTTING TOLERANCE

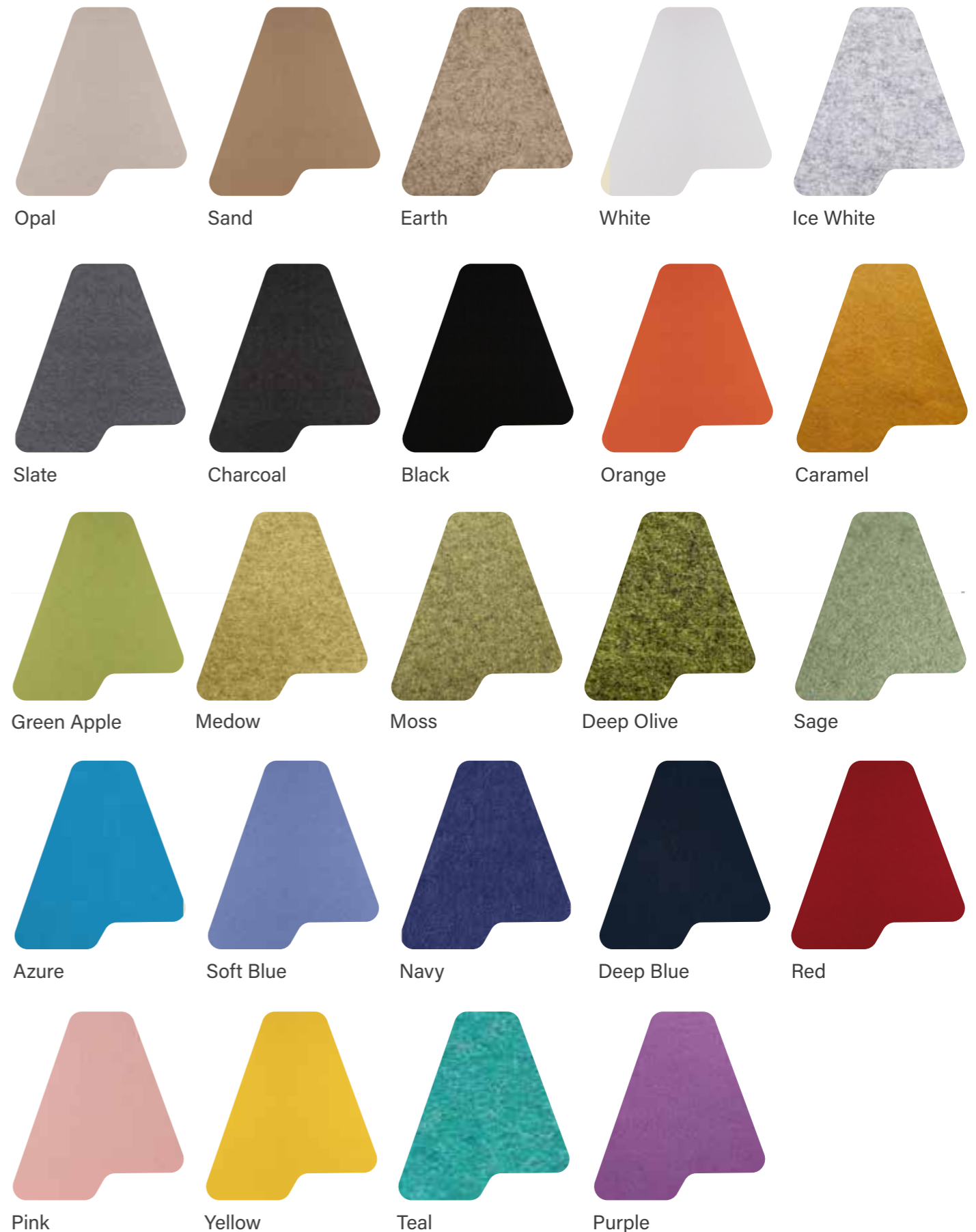
+/- 2%

PLASTIC BOTTLES PER SHEET**

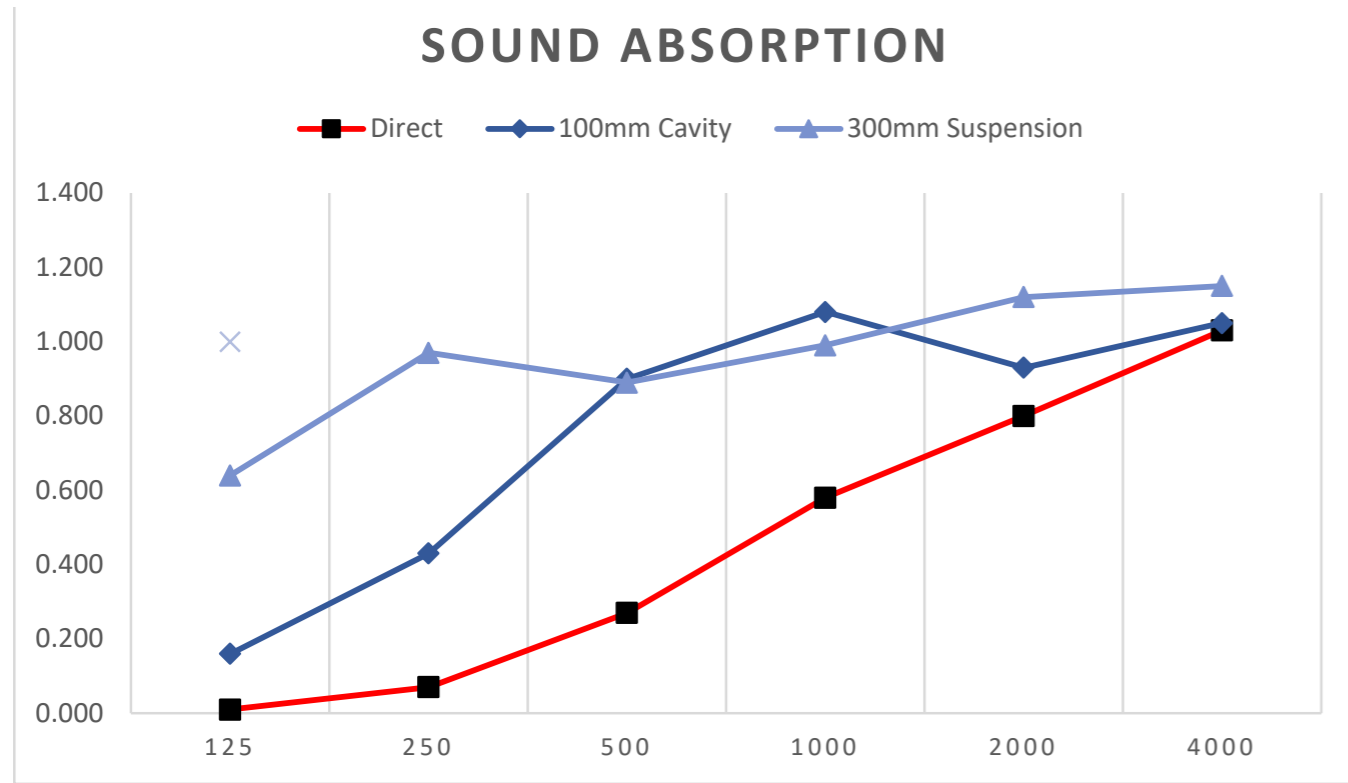
24mm - 355 Bottles

12mm - 224 Bottles

COLOUR ALPHA

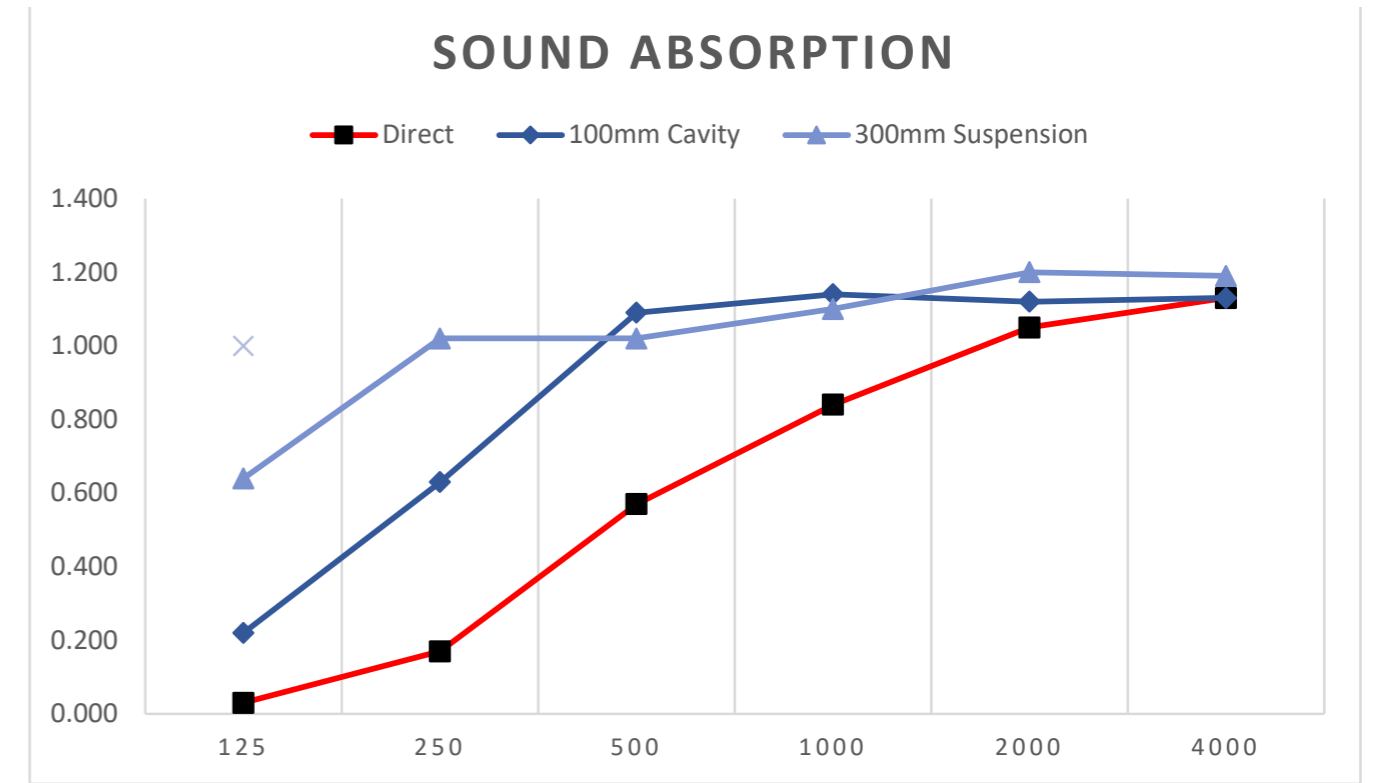


ALPHA 12mm ACOUSTIC DATA



12mm Data								
Frequency	125	250	500	1000	2000	4000	$\bar{\alpha}$	NRC
Direct	0.010	0.070	0.270	0.580	0.800	1.030	0.35	0.450
100mm Cavity	0.160	0.430	0.900	1.080	0.930	1.050	0.75	0.85
300mm Suspension	0.640	0.970	0.890	0.990	1.120	1.150	0.95	1.00

ALPHA 24mm ACOUSTIC DATA



24mm Data								
Frequency	125	250	500	1000	2000	4000	$\bar{\alpha}$	NRC
Direct	0.030	0.170	0.570	0.840	1.050	1.130	0.500	0.650
100mm Cavity	0.220	0.630	1.090	1.140	1.120	1.130	0.950	1.000
300mm Suspension	0.640	1.020	1.020	1.100	1.200	1.190	1.000	1.100