

# 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



Opal



Sand



White



Ice White



Slate



Charcoal



Black



Azure



Soft Blue



Navy



Deep Blue



Fuzzy Green



Teal



Sage



Pink



Yellow



Red



Orange

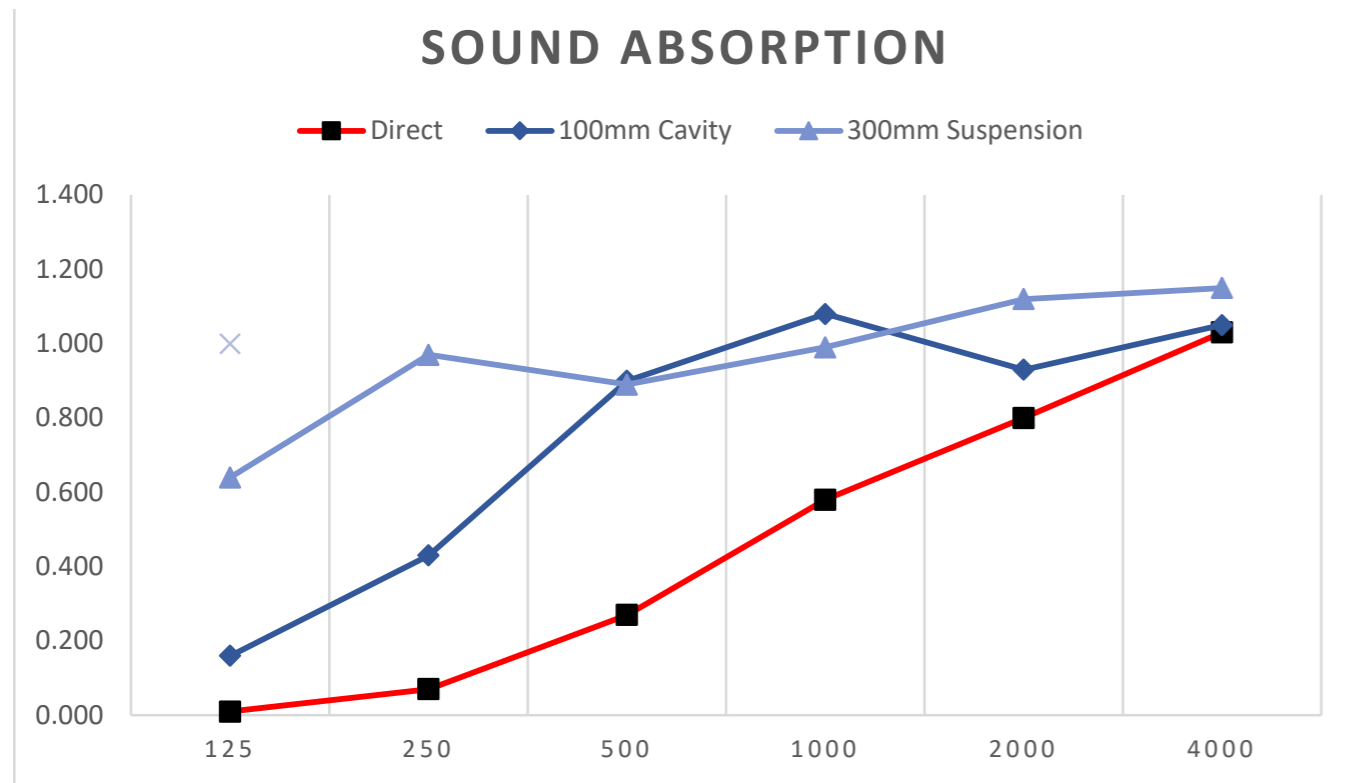


Caramel



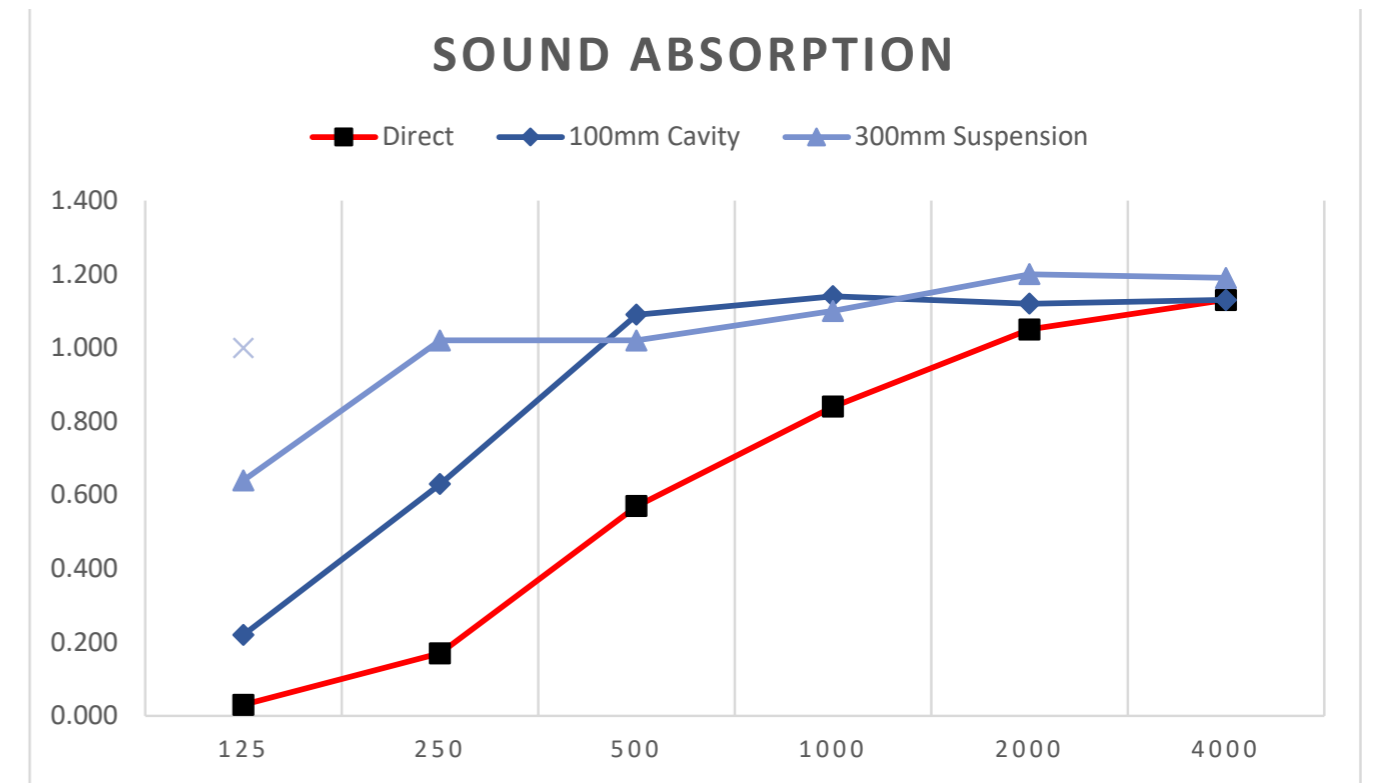
Purple

# 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