

# ALPHA

## Alpha an ultra-versatile acoustic product used to manufacture a wide range of 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 14 colours and thicknesses of 12/24mm, all stocked and converted in our midlands based factory.



## TECH SPECS

### STANDARD SIZE

1225mm x 2800mm x 12mm

1200mm x 2750mm x 24mm

### FEATURES AND BENEFITS

- 2.8m long panels for joint free floor to ceiling coverage
- Available in a range of neutral and bright colours
- Easily fabricated and installed
- Digitally printable
- Impact resistant
- Lightweight and easy to hang
- Safe, non-toxic and non-irritant
- Manufactured under ISO 9001
- Long lasting and hard-wearing

### FIRE SPECIFICATION

EN13501-:2007+A1:2009 s1, d0

ASTM E84-2019 B Class A

### COMPOSITION

65% Recycled PET Fibre | 35% Virgin Fibre

**WEIGHT M2** 12mm 2.4kg | 24mm 4.8kg

**VOC EMISSIONS** <0.02mg/M2

**FORMALDEHYDE** 0.00 UG/G

**OKEO TEX STANDARD 100 - CLASS 1**

**RECYCLABLE CONTENT** 100%

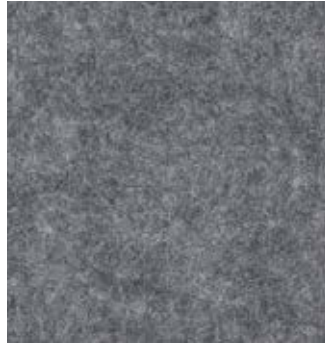
**ACOUSTIC RATING** CLASS D/A

**CUTTING TOLERANCE** +/- 2mm

# ALPHA COLOUR OPTIONS



ICE WHITE



SLATE GREY



CHARCOAL GREY



BLACK



OPAL



SAND



SOFT BLUE



TEAL



YELLOW



ORANGE



FUZZY GREEN



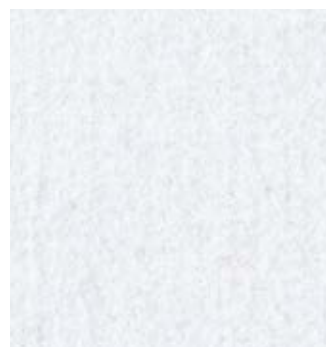
CHERRY RED



MIDNIGHT BLUE



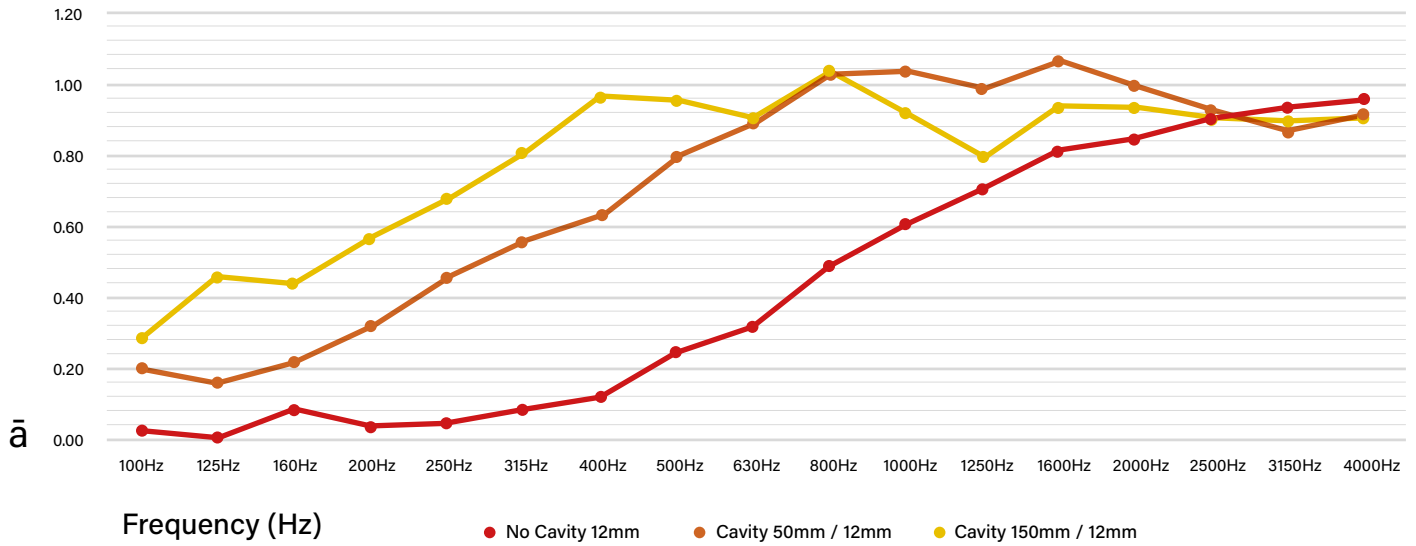
DEEP BLUE



WHITE

# ALPHA 12mm ACOUSTIC DATA

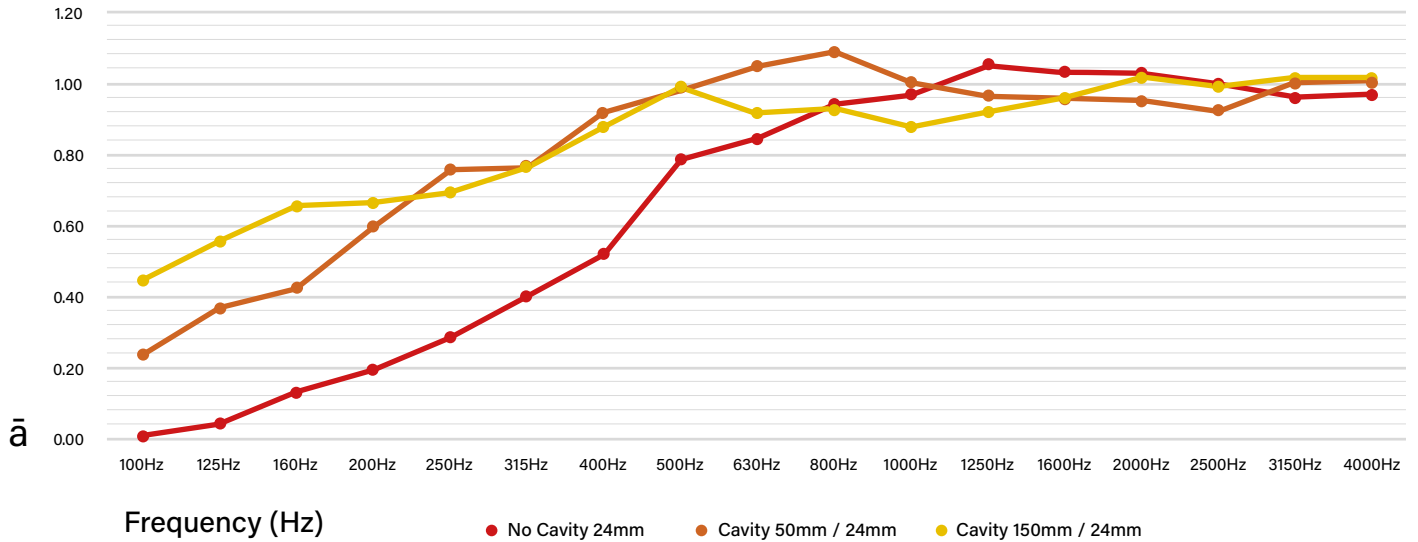
## Acoustic Test Report Alpha



12mm Data																		
Frequency	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1000Hz	1250Hz	1600Hz	2000Hz	2500Hz	3150Hz	4000Hz	NRC
No Cavity / 12mm	0.03	0.01	0.09	0.04	0.05	0.09	0.12	0.25	0.32	0.49	0.61	0.71	0.82	0.85	0.91	0.94	0.95	0.45
Cavity 50mm / 12mm	0.20	0.16	0.22	0.32	0.46	0.56	0.63	0.80	0.89	1.03	1.04	0.99	1.07	1.00	0.93	0.87	0.92	0.80
Cavity 150mm / 12mm	0.29	0.46	0.44	0.57	0.68	0.81	0.97	0.96	0.91	1.04	0.92	0.80	0.94	0.94	0.91	0.90	0.91	0.90

# ALPHA 24mm ACOUSTIC DATA

## Acoustic Test Report Alpha



24mm Data																		
Frequency	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1000Hz	1250Hz	1600Hz	2000Hz	2500Hz	3150Hz	4000Hz	NRC
No Cavity / 24mm	0.01	0.04	0.13	0.19	0.28	0.39	0.52	0.78	0.85	0.94	0.96	1.04	1.03	1.01	0.98	0.96	0.97	0.75
Cavity 50mm / 24mm	0.25	0.36	0.42	0.61	0.77	0.77	0.92	0.98	1.04	1.09	1.00	0.97	0.97	0.96	0.93	1.00	0.99	0.90
Cavity 150mm / 24mm	0.45	0.55	0.64	0.66	0.69	0.77	0.88	0.99	0.90	0.92	0.86	0.90	0.97	1.00	0.97	0.99	1.00	0.90