

ALPHA

CONTACT US FOR COLOUR OPTIONS

STANDARD SIZE

1225mm x 2800mm x 2mm
1225mm x 2800mm x 3mm
1225mm x 2800mm x 6mm
1225mm x 2800mm x 12mm
1200mm x 2700mm x 24mm

TECHNICAL DATA

EN13501-:2007+A1:2009: B - s1, d0

COMPOSITION: 100% PET 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 PERFORMANCE: CLASS D/A

01 | ALPHA 100% PET

Alpha is a 100% recyclable PET acoustic sheet. It has been manufactured from recycled PET bottles to Tech Materials specification. It is 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 a thickness of 12/24mm.

FEATURES & 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
- Lightweight and easy to hang
- Safe, non-toxic and non-irritant
- Manufactured under ISO 9001
- Impact Resistant
- Long lasting and hard-wearing



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1.0 | ALPHA COLOUR OPTIONS



Ice White



Slate Grey



Charcoal Grey



Black



Opal



Sand



Soft Blue



Teal



Yellow



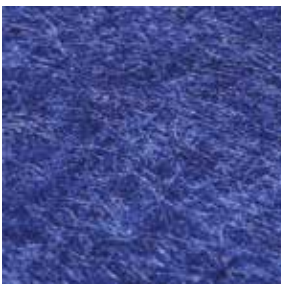
Orange



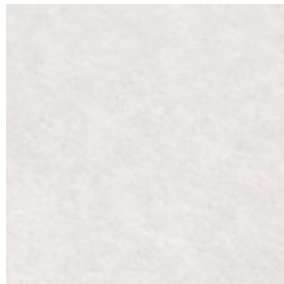
Fuzzy Green



Cherry Red



Midnight Blue



White



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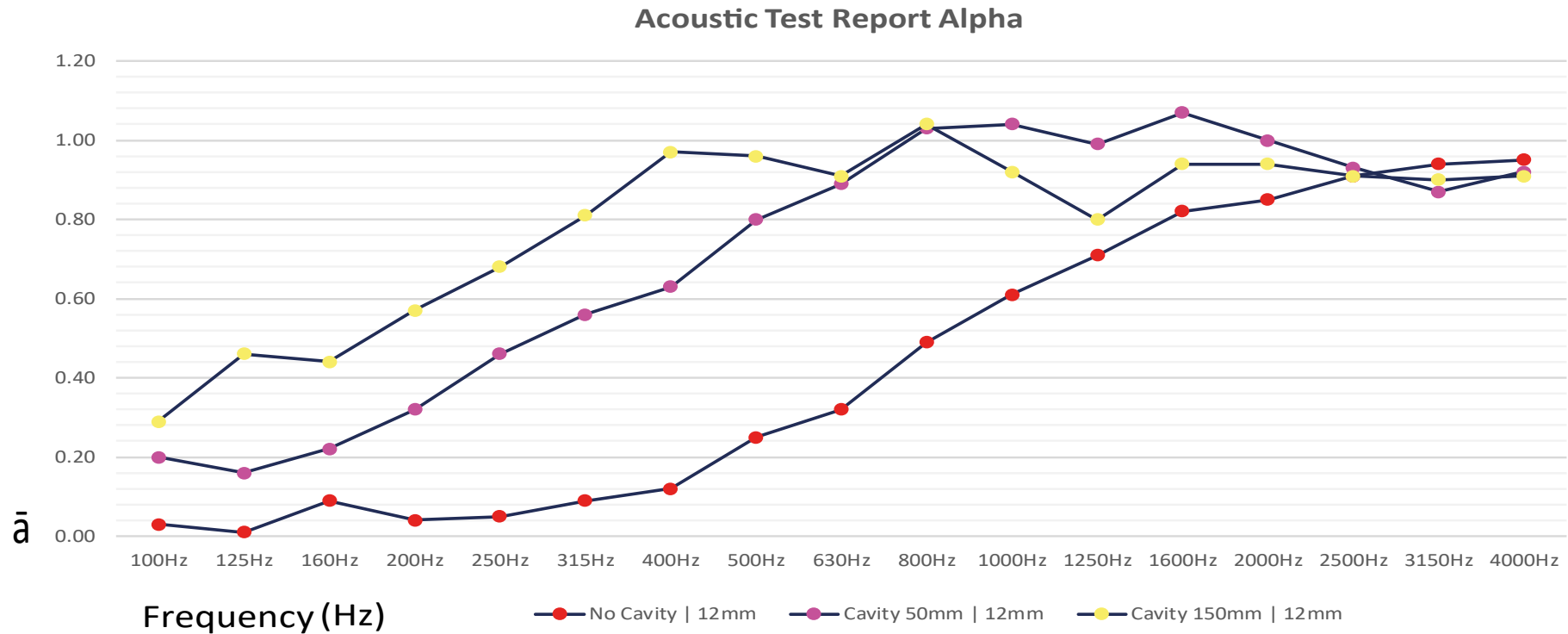


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1.1 | ALPHA 12mm ACOUSTIC DATA



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



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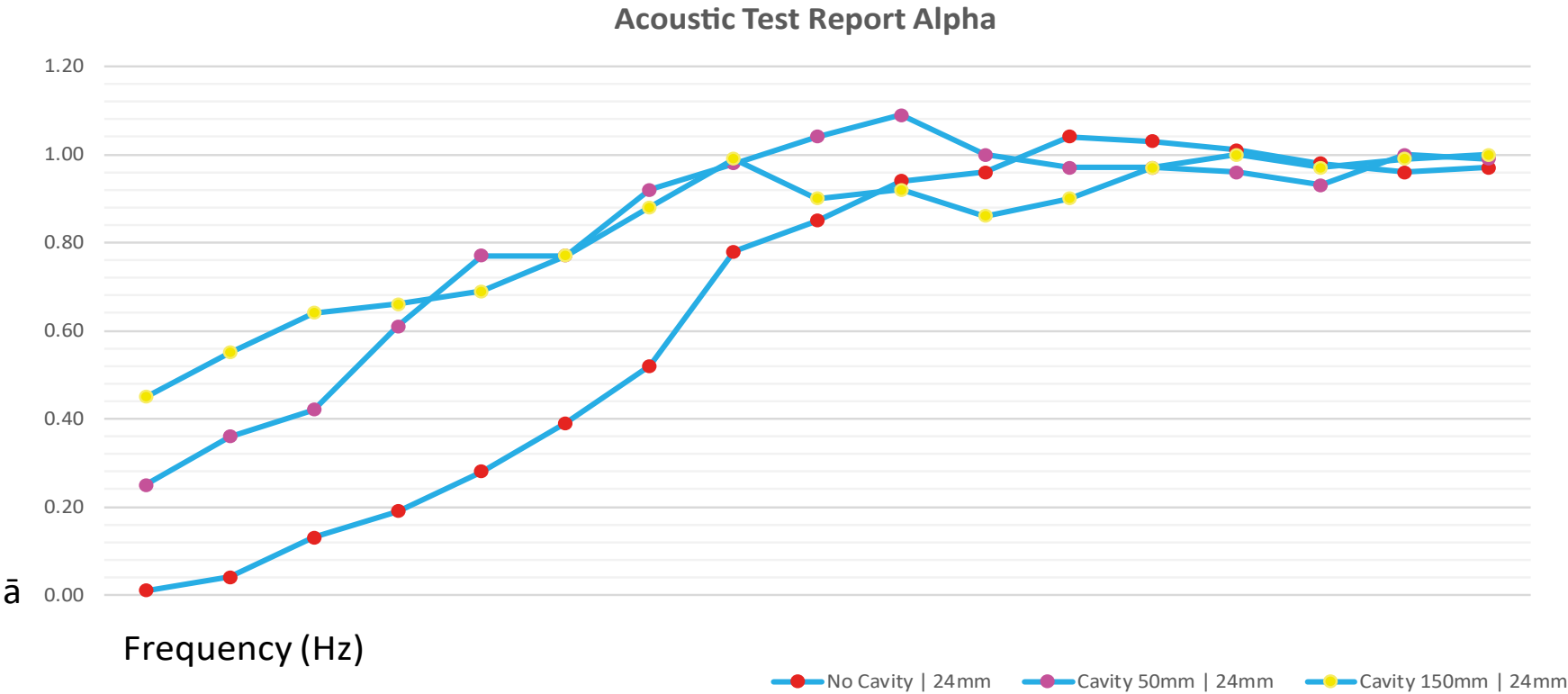


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1.2 | ALPHA 24mm ACOUSTIC DATA



24mm Data																	
Frequency	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1000Hz	1250Hz	1600Hz	2000Hz	2500Hz	3150Hz	4000Hz
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
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
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



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