

acoufelt  
making quiet



# Raised Panels



# Specifications

Application	Wall
Composition	100% polyester
Material	FilaSorb™
Recycled content	60% min. rPET
Thickness	12 & 24mm +/- 10%
Weight	12mm – 2400gsm 24mm – 4800gsm
Dimensions	Width – 305, 610 & 1220mm Depth – 25, 50, 102 & 152mm Height – 2440 & 2800mm

# Sustainability



Made from 60% min. recycled content



Declare Red List Free (3<sup>rd</sup> Party Verified)



Generated using 40% solar energy



Recyclable at end of lifespan



Total VOC's less than 0.5 mg/m<sup>3</sup> (3<sup>rd</sup> Party Verified)



# Technical Data

12mm	
Fire test method	EN 13501-1: 2019
Classification	B-s1, d0
Water vapour sorption method	ASTM C1104-2019 (Procedure A Modified)
Water sorbed by weight	0.20% (results based on a 12mm thick panel)
24mm	
Fire test	Pending
12 & 24mm	
Total VOC test method	SCS-EC10.3-2014 v4.0 meeting standard CDPH/EHLB Standard Method v.1.2-2017
Total VOC result	≤ 0.5mg/m <sup>3</sup>
Colourfastness test method	ISO 105-B02
Rating	6-7

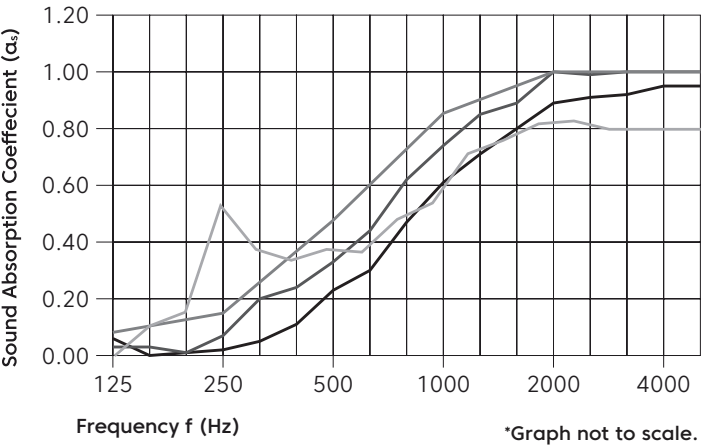
# Guarantees

Lead Time	6-8 weeks
Origin	United Kingdom
Warranty against defects	20 years*
Colourfastness warranty	20 years*
*conditions apply	

# Acoustic Performance

Test method	<b>12mm</b> ASTM C423-09a: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method <b>24mm</b> ASTM C423-17: Standard test method for sound absorption and sound absorption coefficients by the reverberation room method
Installation method	Mounting method A
Rating method	AS ISO 11654 -2002: Acoustics - rating of sound absorption - material and systems

Test results	<b>12mm</b> no air gap - 0.45 NRC   0.25 (H) aw no air gap, Class E 12mm air gap - 0.54 NRC   0.35 (MH) aw 12mm air gap, Class D 20mm air gap - 0.64 NRC   0.40 (MH) aw 20mm air gap, Class D  *results are for materials only <b>24mm</b> no air gap - 0.60 NRC   0.50 (LH) aw no air gap, Class D  *results are for materials only
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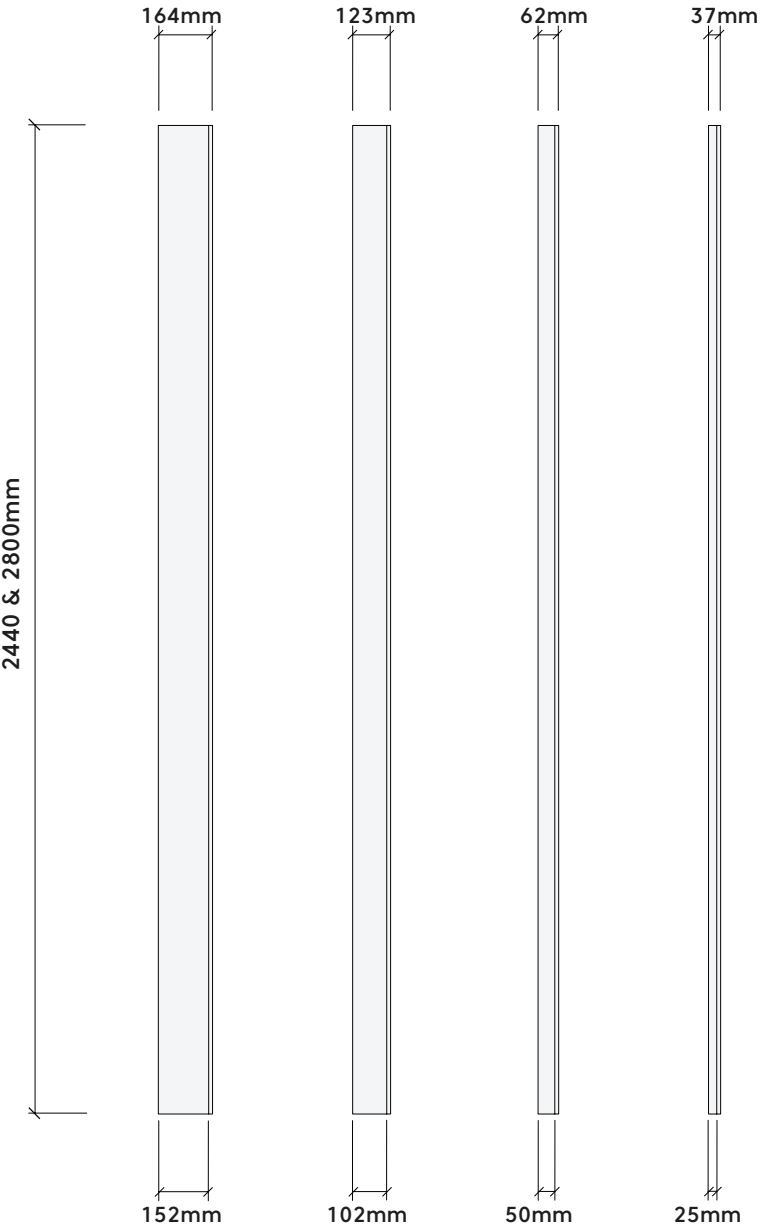
	Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Class Rating
	12mm - αs no air gap	0.06	0.02	0.23	0.61	0.89	0.95	0.45	Class E
	12mm - αs 12mm air gap	0.03	0.14	0.33	0.74	1.00	1.00	0.54	Class D
	12mm - αs 20mm air gap	0.05	0.16	0.48	0.85	1.00	1.00	0.64	Class D
	24mm	0.02	0.57	0.41	0.58	0.87	0.85	0.60	Class D

Performance Indices: **Noise Reduction Coefficient (NRC)** results represent the absorption coefficients measured at the one third octaves bands at 125, 250, 500, 1000, 2000 and 4000 Hz rounded to the nearest 0.05. Acoustic testing has been performed according to the methods mentioned above. Customisation of installation of the product could alter the results.

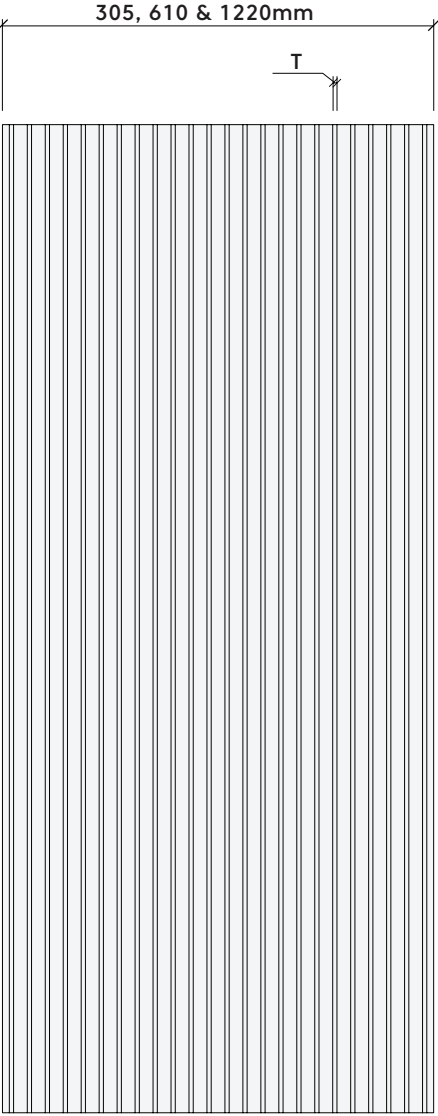
# Raised Designs

Panel Thickness (T)	12mm or 24mm
Backer Panel Thickness	12mm

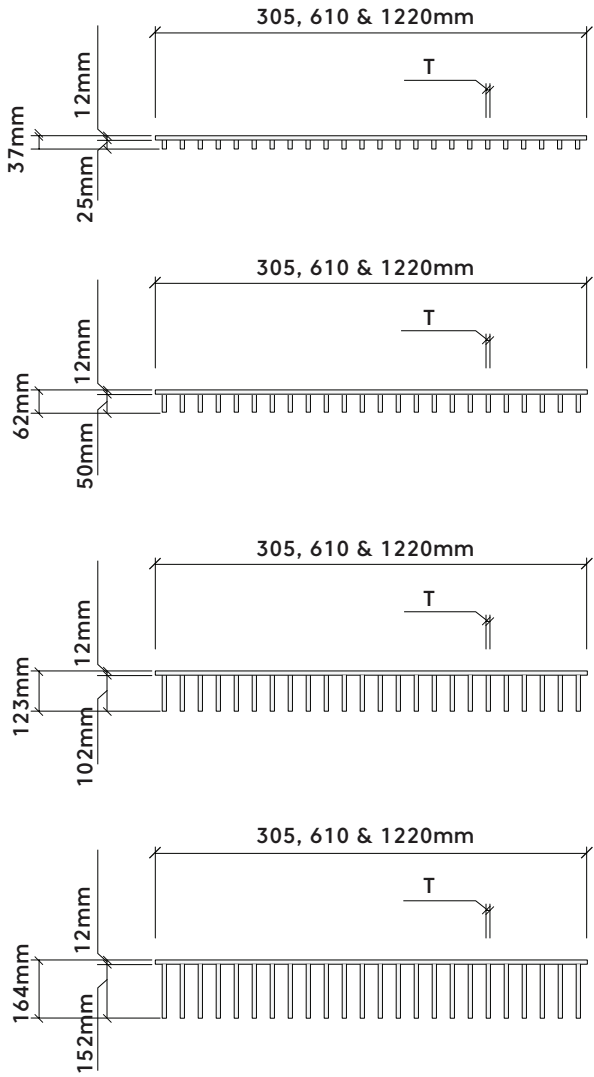
Side Elevations



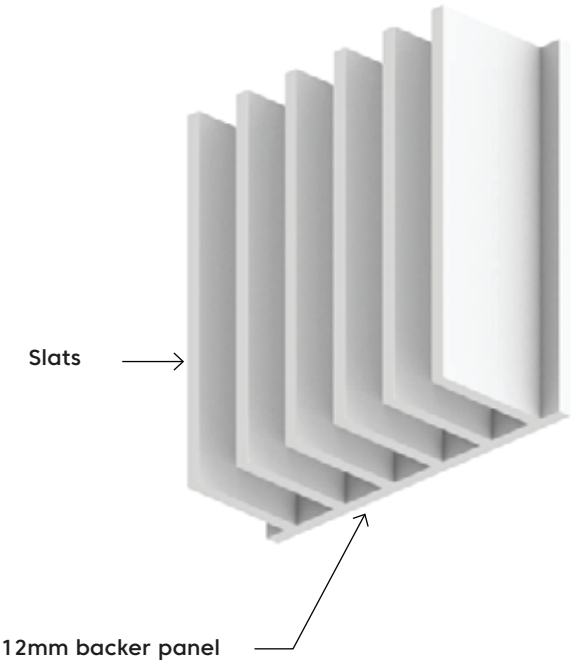
Front Elevation



Plans


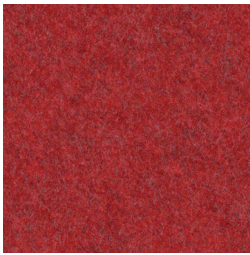
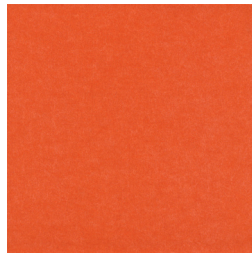
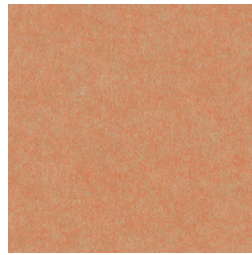
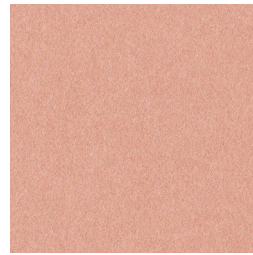
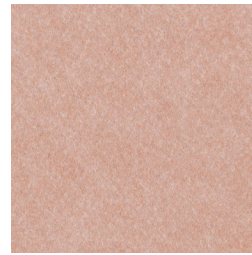

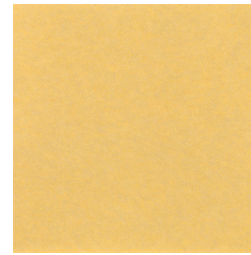
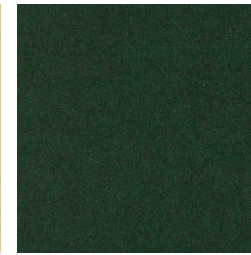
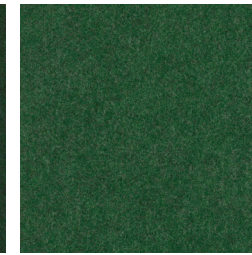
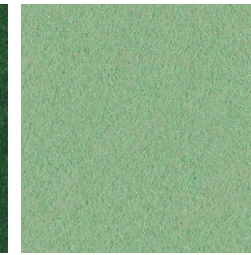
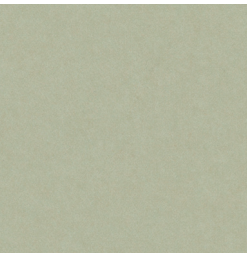


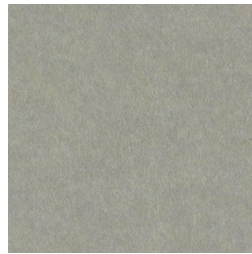
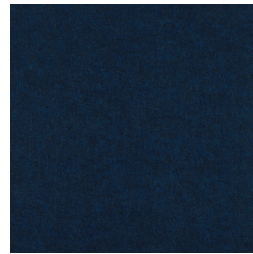

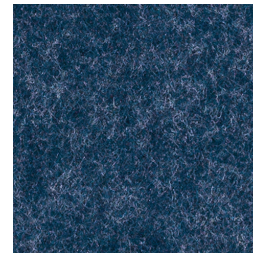
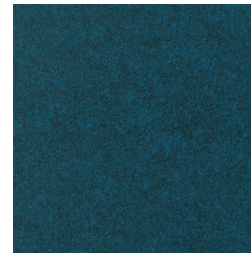
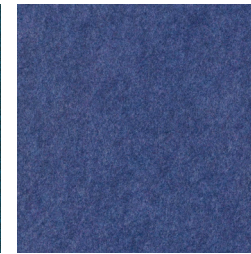
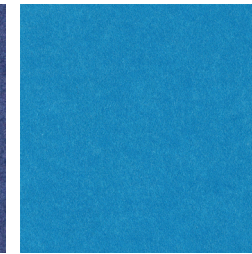
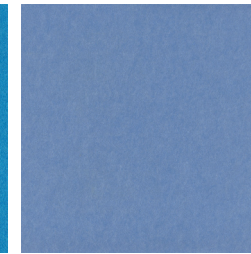
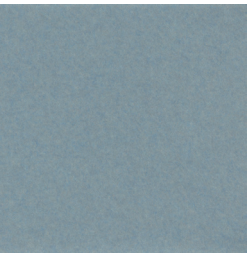
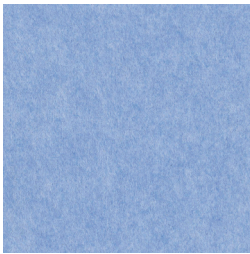
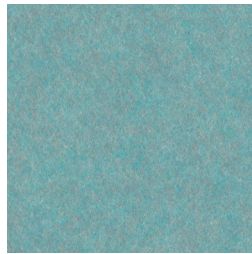
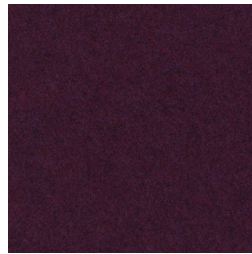
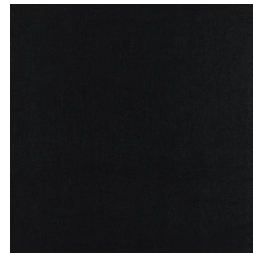

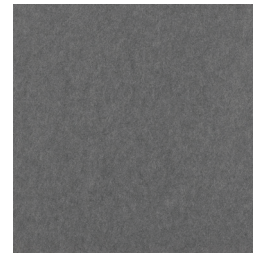



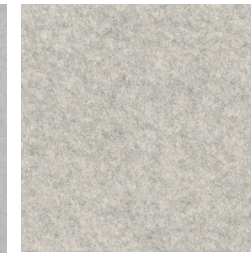


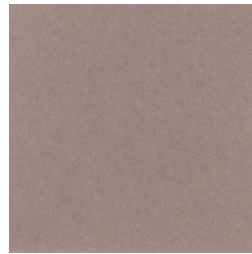
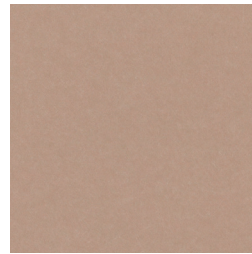


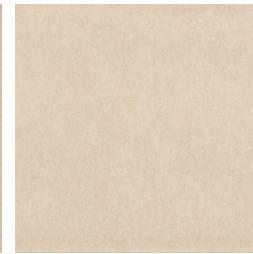
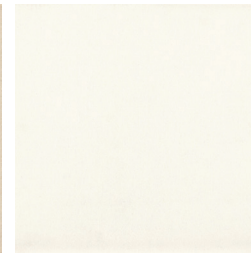


Perspective





# FilaSorb™ Colourways

										
Peppercorn PE22	Currant CU59	Carrot CA08	Peach PE19	Flamingo FL61	Valentine VA70	Turmeric TU60	Wheat WH68	Kale KA12	Oregano OR18	Sencha SE58
										
Celery CE65	Eucalyptus EU71	Wasabi WA29	Pistachio PI25	Midnight MI16	Flint FL64	Granite GR62	Denim DE09	Iris IR10	Azur AZ05	Marine MA15
										
Stonewash ST72	Periwinkle PE23	Sea Salt SE57	Shiraz SH63	Piano Black PI24	Charcoal CH01	Slate SL27	Grey GR02	Metal ME03	Platinum PL04	Milkyway MI74
										
Walnut WA56	Umber UM54	Amethyst AM69	Quartz QU67	Almond AL55	Ivory IV11	Pearl PE21	White WH12			

**Can't find a colour?**  
We are constantly updating our palette, which includes adding and discontinuing certain colour lines. If you can't find the colour you are looking for, please contact us with your colour request, as we may still have stock available.



# Mounting Methods

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## Construction Adhesive

