

acoufelt  
making quiet



# Regular Wall Panels

# Product Detail

Application	Wall
Material	FilaSorb™ polyester felt
Recycled content	60% min
Weight	12mm – 2400gsm 24mm – 4800gsm
Thickness	12, 22 & 24mm +/- 10%
Dimensions	1220 x 2800mm 1200 x 2800mm Custom size available upon request

# Details


Lead time	4-6 weeks
Origin	Australia
Warranty against defects	20 years*
Colorfastness warranty	20 years*

\*conditions apply


# Technical Data

12mm		12, 22 & 24mm	
Fire test method	AS ISO 9705:2033 <small>(according to AS 5637.7:2015 requirements)</small>	Total VOC test method	SCS-EC10.3-2014 v4.0 meeting standard CDPH/EHLB Standard Method v.1.2-2017
Group number	Group 1	Total VOC result	≤ 0.5mg/m³
SMOGR <sub>ARC</sub> (in m2/s2 x 1000)	0.93	Colorfastness test method	ISO 105-B02
22mm		Rating	6-7
Fire test method	AS ISO 9705:2033 <small>(according to AS 5637.7:2015 requirements)</small>	Water vapour sorption method	ASTM C1104-2019 (Procedure A Modified)
Group number	Group 1	Water sorbed by weight	0.20% (results based on a 12mm thick panel)
SMOGR <sub>ARC</sub> (in m2/s2 x 1000)	0.61		
24mm			
Fire test	Pending		


# Sustainability




Made from 60% min.  
recycled content




Material 'Take Back'  
program allows our  
product to be recycled




Acoustic Felt material  
is made with 30-40%  
solar energy\*  
\*made in Thailand



Red List  
Free  
Declare.



CERTIFIED  
INDOOR AIR QUALITY  
GREEN BUILDING  
INDOOR ADVANTAGE GOLD  
BUILDING MATERIALS



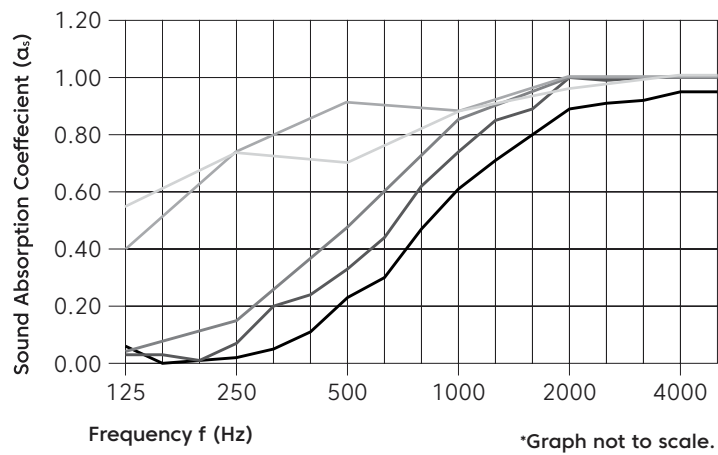
ENVIRONMENTAL  
PRODUCT  
DECLARATION  
EPD  
WORLDWIDE  
GREENING



hpd  
VERSION 2.3

# 12mm Acoustic Performance

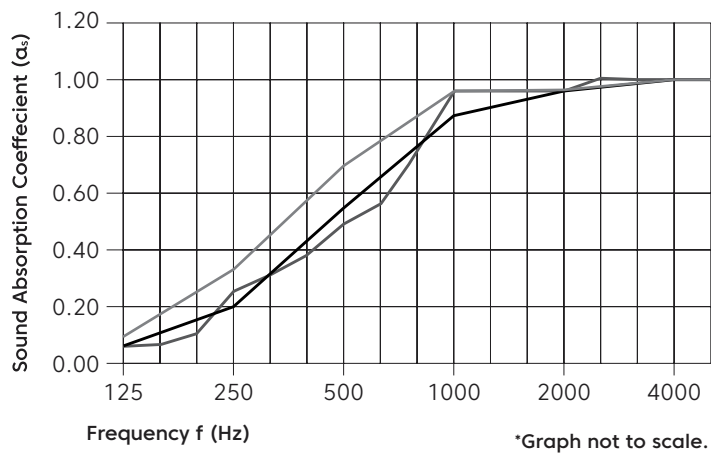
<b>Test method</b>	AS ISO 354-2006: Acoustic - Measurement of sound absorption in a reverberation room	
<b>Installation method</b>	<u>Method A</u>	<u>Method E</u>
	no air gap, 12mm air gap, 20mm air gap	E-200 12mm air gap, E-400 400mm air gap
<b>Rating method</b>	ISO 11654-1997: Acoustic – sound absorbers for use in buildings – rating of sound absorption	
<b>Test results</b>	<u>Method A</u>	<u>Method E</u>
	NRC 0.45 no air gap	NRC 0.85 200mm air gap
	NRC 0.54 12mm air gap	NRC 0.80 400mm air gap
	NRC 0.64 20mm air gap	
	SAA 0.43 no air gap	SAA 0.86 200mm air gap
	SAA 0.54 12mm air gap	SAA 0.83 400mm air gap



	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
	αs no air gap	0.06	0.03	0.23	0.61	0.89	0.55	0.45
	αs 12mm air gap	0.03	0.14	0.33	0.74	1.00	1.00	0.54
	αs 20mm air gap	0.05	0.16	0.48	0.85	1.00	1.00	0.64
	αs 200mm air gap	0.40	0.75	0.90	0.85	0.95	1.00	0.85
	αs 400mm air gap	0.55	0.75	0.70	0.90	0.95	1.00	0.80

# 22mm Acoustic Performance

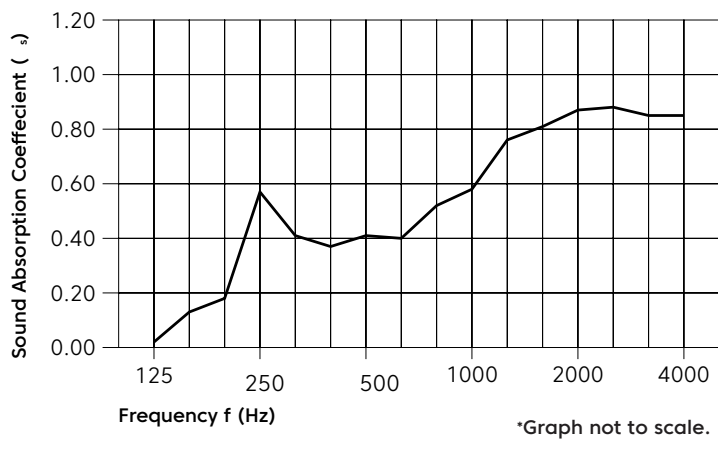
<b>Test method</b>	AS ISO 354-2006: Acoustic - Measurement of sound absorption in a reverberation room	
<b>Installation method</b>	A, tested with no air gap, 20mm air gap, 50mm air gap	
<b>Rating method</b>	ISO 11654-2002 Acoustic – sound absorbers for use in buildings – rating of sound absorption	
<b>Test results</b>	NRC 0.65 no air gap	
	NRC 0.70 20mm air gap	
	NRC 0.70 50mm air gap	
	SAA 0.63 no air gap	
	SAA 0.69 20mm air gap	
	SAA 0.73 50mm air gap	



	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
	αs no air gap	0.05	0.20	0.55	0.80	0.95	1.00	0.65
	αs 20mm air gap	0.05	0.25	0.60	0.95	0.95	0.95	0.70
	αs 50mm air gap	0.10	0.35	0.70	0.95	0.95	1.00	0.70

# 24mm Acoustic Performance

<b>Test method</b>	ASTM E795-16: Standard Practices for Mounting Test Specimens During Sound Absorption Tests	
<b>Installation method</b>	A, tested with no air gap	
<b>Rating method</b>	ISO 11654-1997 Acoustic – sound absorbers for use in buildings – rating of sound absorption	
<b>Test results</b>	NRC 0.60 no air gap	
	SAA 0.55 no air gap	

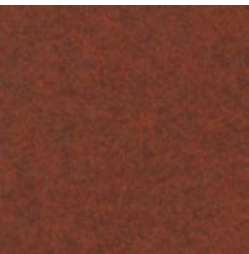

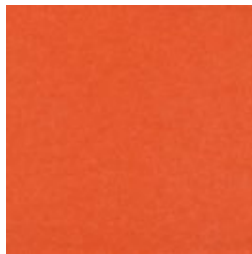

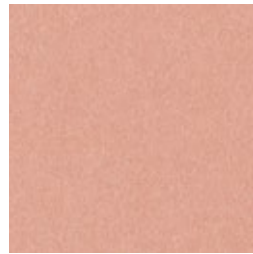
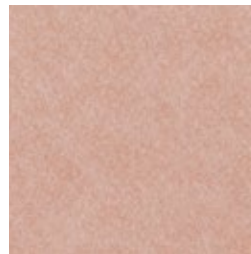
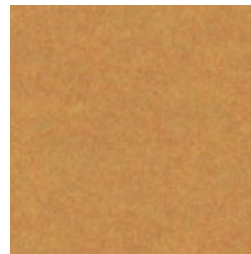
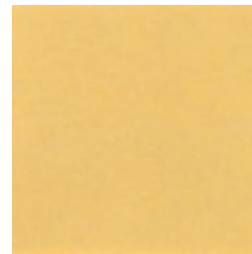
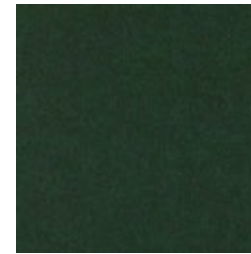
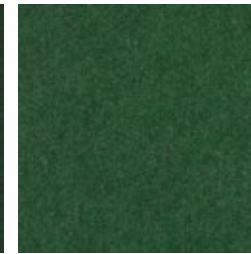
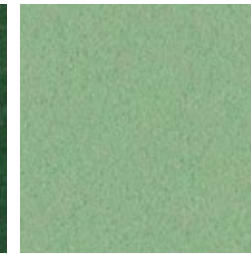


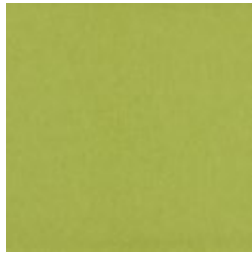


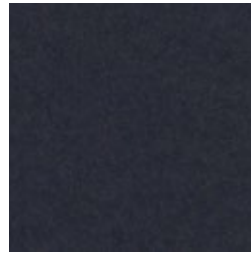
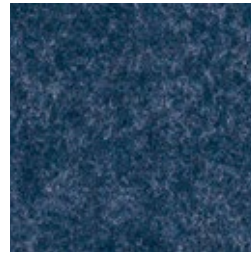
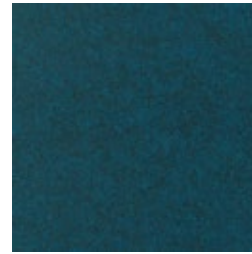






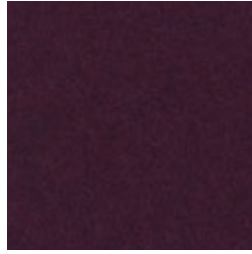
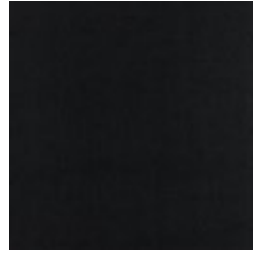

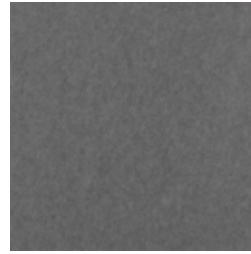
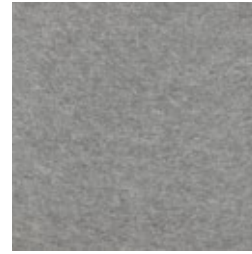


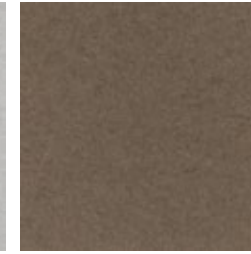

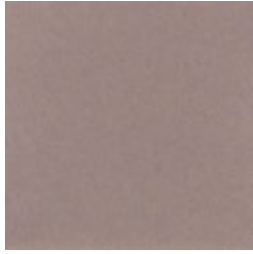
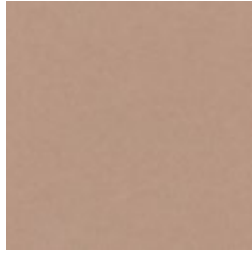


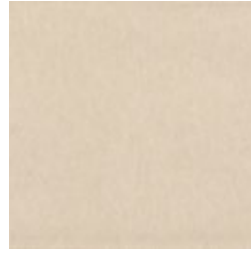
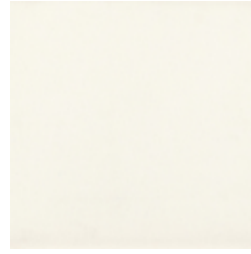
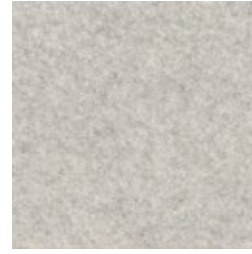


	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
	αs	0.02	0.57	0.41	0.58	0.87	0.85	0.60

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. **Sound Absorption Average (SAA)** indicates the absorption coefficient average for the twelve one-third octave bands ranging between 200 and 2500 Hz.



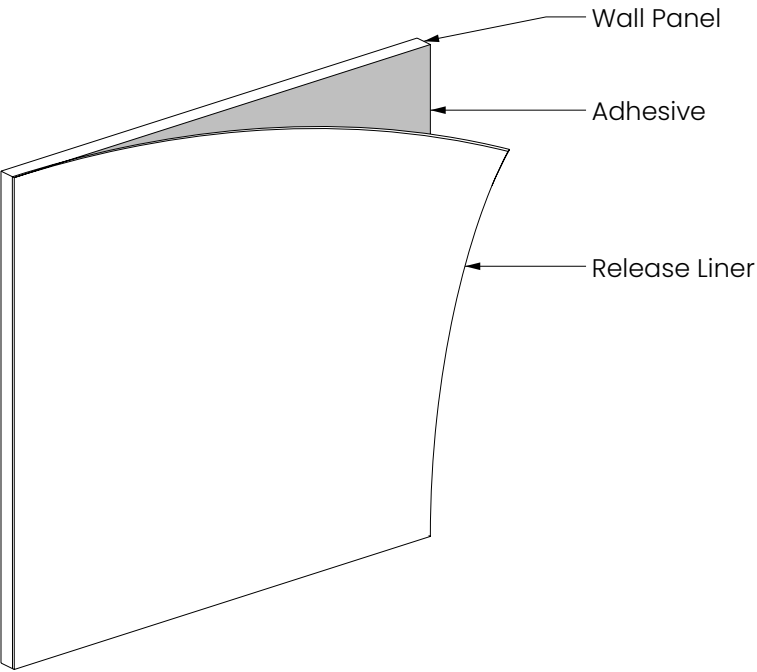
# FilaSorb™ Colorways

										
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	Walnut WA56
										
Umber UM54	Amethyst AM69	Quartz QU67	Almond AL55	Ivory IV11	Pearl PE21	White WH12	Milkyway MI74			

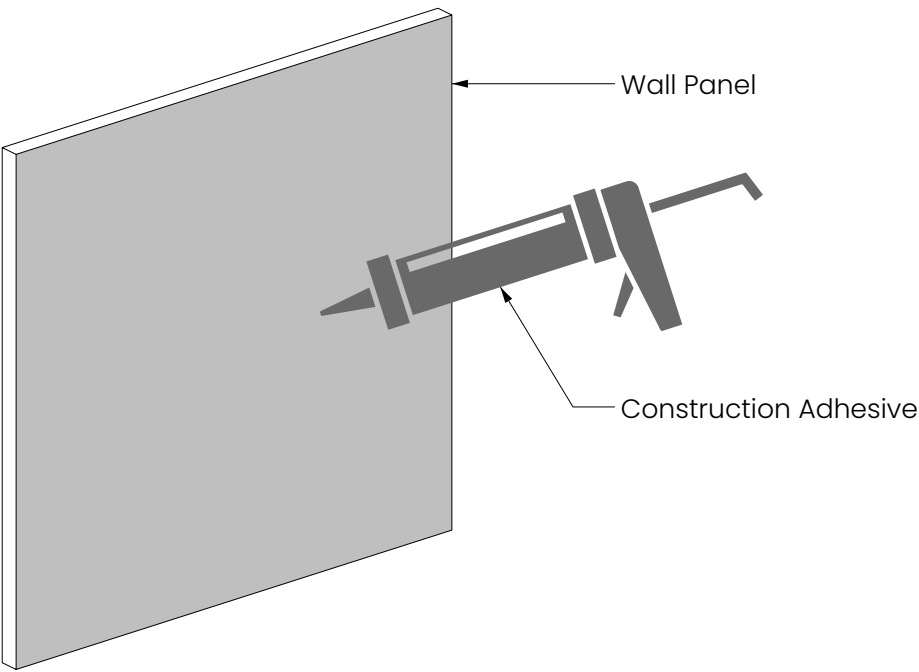
**Can't find a color?**  
We are constantly updating our palette, which includes adding and discontinuing certain color lines. If you can't find the color you are looking for, please contact us with your color request, as we may still have stock available.

# Mounting Methods

Peel and Stick Backing

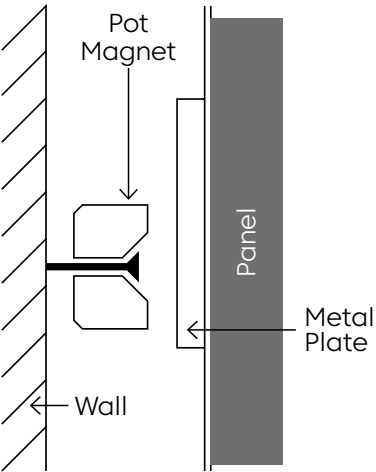


Construction Adhesive

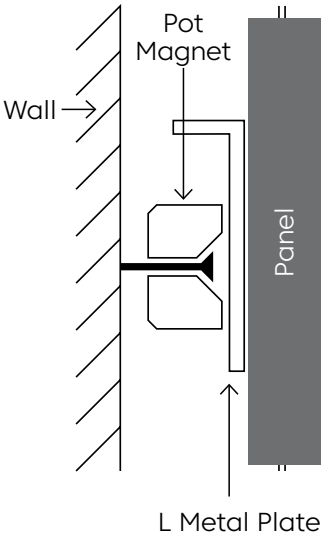


Pot Magnet Install

Wall Pot Magnet Install  
Metal Plate



Wall Pot Magnet Install  
L Plate + Metal Plate



L Plate Wall + Metal  
Plate Configuration

○ L Metal Plate    × Metal Plate

