

acoufelt
making quiet




Full Colour Ceiling Panels


12mm Product Detail

Application	Ceiling
Composition	100% polyester
Material	FilaSorb™
Recycled content	60% min
Weight	2400gsm
Thickness	12mm +/- 10%
Dimensions	1220 x 2800mm Custom size available upon request


Sustainability




Made from 60% min. recycled content




Declare Red List Free (3rd Party Verified)



Generated using 40% solar energy



Recyclable at end of lifespan



Total VOC's less than 0.5 mg/m³ (3rd Party Verified)



12mm Technical Data

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)
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 ³
Colourfastness test method	ISO 105-B02
Rating	6-7

Guarantees

Lead time	4-6 weeks
Origin	United Kingdom
Warranty against defects	20 years*
Colourfastness warranty	20 years* <small>*conditions apply</small>

12mm Acoustic Performance

Test method

AS ISO 354-2006: Acoustic - Measurement of sound absorption in a reverberation room

Installation method

<u>Method A</u>	<u>Method E</u>
no air gap, 12mm air gap, 20mm air gap	E-200 200mm air gap, E-400 400mm air gap

Rating method

ISO 11654-1997: Acoustic – sound absorbers for use in buildings – rating of sound absorption

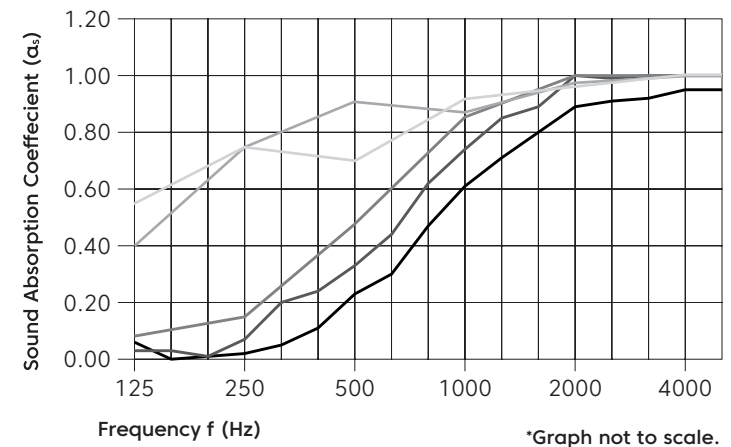
Test results

Method A

NRC 0.45 no air gap | α_w 0.25 (H), Class E
 NRC 0.54 12mm air gap | α_w 0.35 (MH), Class D
 NRC 0.64 20mm air gap | α_w 0.40 (MH), Class D

Method E

NRC 0.85 200mm air gap | α_w 0.90, Class A
 NRC 0.80 400mm air gap | α_w 0.80, Class B




Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Class Rating
α_s no air gap	0.06	0.02	0.23	0.61	0.89	0.95	0.45	Class E
α_s 12mm air gap	0.03	0.14	0.33	0.74	1.00	1.00	0.54	Class D
α_s 20mm air gap	0.05	0.16	0.48	0.85	1.00	1.00	0.64	Class D
α_s 200mm air gap	0.40	0.75	0.90	0.85	0.95	1.00	0.85	Class A
α_s 400mm air gap	0.55	0.75	0.70	0.90	0.95	1.00	0.80	Class B

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.


24mm Product Detail

Application	Ceiling
Composition	100% polyester
Material	FilaSorb™
Recycled content	60% min
Weight	2400gsm
Thickness	24mm +/- 10%
Dimensions	1220 x 2800mm Custom size available upon request


Sustainability




Made from 60% min. recycled content



Total VOC's less than 0.5 mg/m³ (3rd Party Verified)



Generated using 40% solar energy



Recyclable at end of lifespan



24mm Technical Data

Fire test	Pending
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 ³
Colourfastness test method	ISO 105-B02
Rating	6-7

Guarantees

Lead time	4-6 weeks
Origin	United Kingdom
Warranty against defects	20 years*
Colourfastness warranty	20 years* <small>*conditions apply</small>

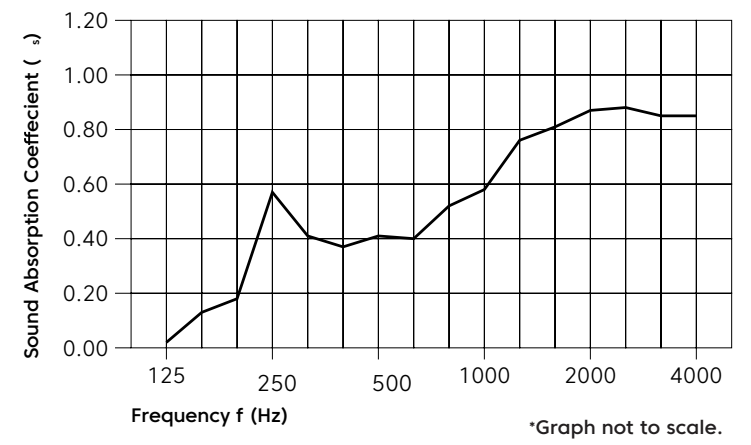
24mm Acoustic Performance

Test method
ASTM E795-16: Standard Practices for Mounting Test Specimens During Sound Absorption Tests

Installation method
A, tested with no air gap

Rating method
ISO 11654-1997
Acoustic – sound absorbers for use in buildings – rating of sound absorption

Test results
NRC 0.60 no air gap | 0.50 (LH) aw, Class D



Frequency (Hz)	125	250	500	1000	2000	4000	NRC	Class Rating
α _s	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.

Premier Colourways

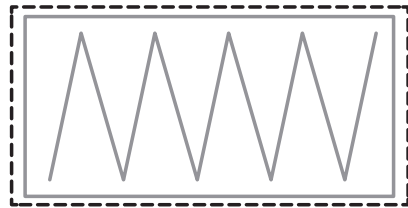


Can't find a colour?

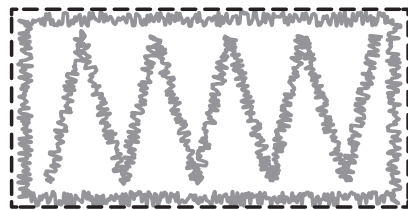
We are constantly updating our palette, which includes adding and discontinuing certain colour lines. If you can't find the colour you are looking for, please contact us with your colour request, as we may still have stock available.

Mounting Methods

Adhesive Method

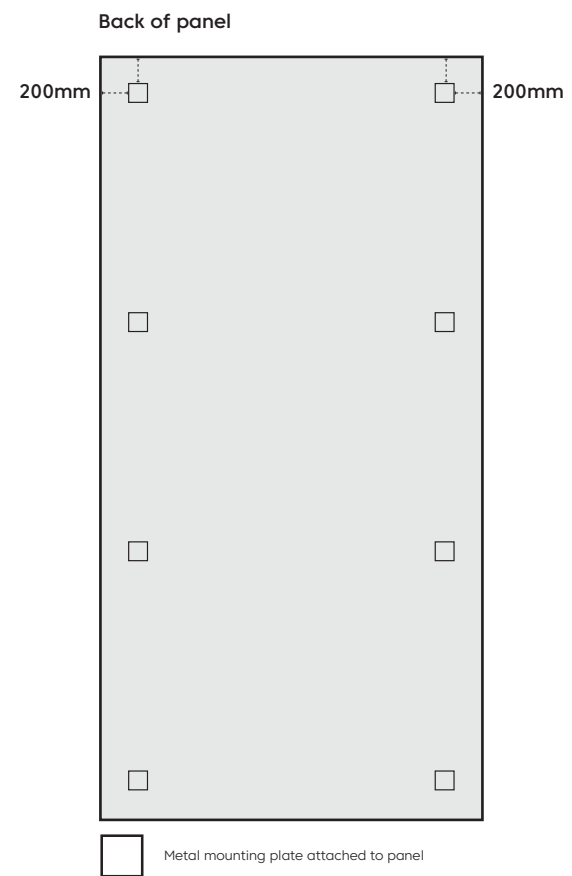


- - - - - Panel installation area
- Construction adhesive

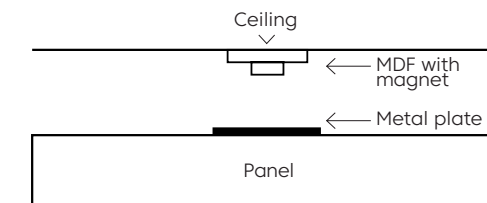


- - - - - Panel installation area
- ~ Spray adhesive

Pot Magnet Method



Side view



Pot Magnet

