Ecoustic® Float

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An acoustic modular cloud + baffle system by Alexander Lotersztain

Ecoustic® Float

PRODUCT	Ecoustic® Float Cloud + Baffle
DESCRIPTION	A 3D modular acoustic cloud + baffle system designed by Alexander Lotersztain that is easy to arrange in endless playful combinations, giving a nod to childhood invention
COMPOSITION	100% PET
DIMENSIONS	300mm (w) x 300mm (h) x 9mm (d)
ACOUSTIC AS/ISO 354	The tested arithmetic average of frequencies from 200 - 2500 Hz equivalent absorption by area is 1.05 metric Sabins per 15 piece assembled unit arranged in a linear pattern *The metric Sabin is the only accurate and valid acoustic measure for freestanding acoustic products where sound energy comes from a 360 degree direction Refer to acoustic graph on last page The raw material Ecoustic® SC 9mm panel achieves αw 0.78 / NRC 0.85 (200mm airgap)
LIGHTFASTNESS ISO 105-B02	>7
FIRE RATINGS AS/NZS 1530.3	Ignitability 9 Spread of Flame 0 Heat Evolved 3 Smoke Developed 6
AS/ISO 9705	BCA Group 1 SMOGRA <100 NZBC Group 1-S
ASTM E84	Class C
APPLICATION	Cloud + baffle system
ORIGIN	Made in Australia

Please contact your local representative for CAD Drawings

BENEFITS

Designed for the Environment

Warranty: A 12 month warranty is provided against manufacturing defects. This applies to internal installation only, outdoor use will void any warranty.

Building Rating Systems: Float will contribute the following points for Green Star, LEED + WELL building standards.

Criteria	Green Star	LEED	WELL
Low VOC	√	√	√
Stewardship - Recycling	√	√	NA
Cradle to Cradle Certification	-	√	√
Declare Label	NA	√	√
Manufacturer EMS	√	NA	NA
Toxic Material Reduction	NA	NA	√

HOW TO SPECIFY	
DESIGN	Ecoustic® Float
COLOUR	Select from SC 9mm colours

INSTYLE

Acoustic Performance

Ecoustic® Float: 1.05 metric Sabins per 15 piece assembled unit*

Frequency f Hz	T1 Empty Chamber (seconds)	T2 With sample (seconds)	A Third Octave (m^2)
100	7.41	7.14	0.1
125	6.64	6.77	0.0
160	7.73	6.64	0.2
200	8.33	6.89	0.3
250	8.19	6.46	0.4
315	8.18	6.09	0.5
400	7.94	5.08	0.8
500	7.85	4.67	0.9
630	7.45	4.30	1.1
800	7.27	4.02	1.2
1000	6.61	3.74	1.3
1250	6.02	3.44	1.4
1600	5.35	3.06	1.5
2000	4.49	2.70	1.6
2500	3.86	2.41	1.7
3150	3.47	2.20	1.8
4000	3.04	1.99	1.9
5000	2.58	1.74	2.0

Sabins are a measure of sound absorption of a material. If the material is 1 square metre in size and has 100% sound absorption at that size then it has a metric Sabin of 1.

Due to the multi-faceted shape of Ecoustic® Float, the performance is established by laboratory testing. Tested to AS/ISO 354-2006, the arithmetic average of frequencies from 200 - 2500 Hz equivalent absorption by area is 1.05 metric Sabins per 15 piece assembled unit arranged in a linear pattern.

The raw material Ecoustic® SC 9mm panel used to make Ecoustic® Float achieves an αw 0.78 / NRC 0.85 with a 200mm air cavity.

Ecoustic® Float

Sold in boxes of 15 pieces per colour
3 suspension sets per box
7 finishes available

Milk

Dune

Marble

Dapple

Zinc

Alloy

Equinox

Zodiac

Distributed by

Grayking Interior Supply Pty Ltd

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