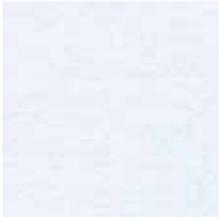


ECOUSTIC® FLOAT SPECIFICATION



INSTYLE

ECOUSTIC® FLOAT FINISHES



Milk



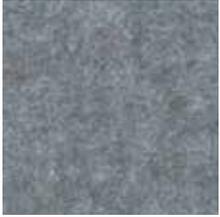
Dune



Marble



Dapple



Zinc



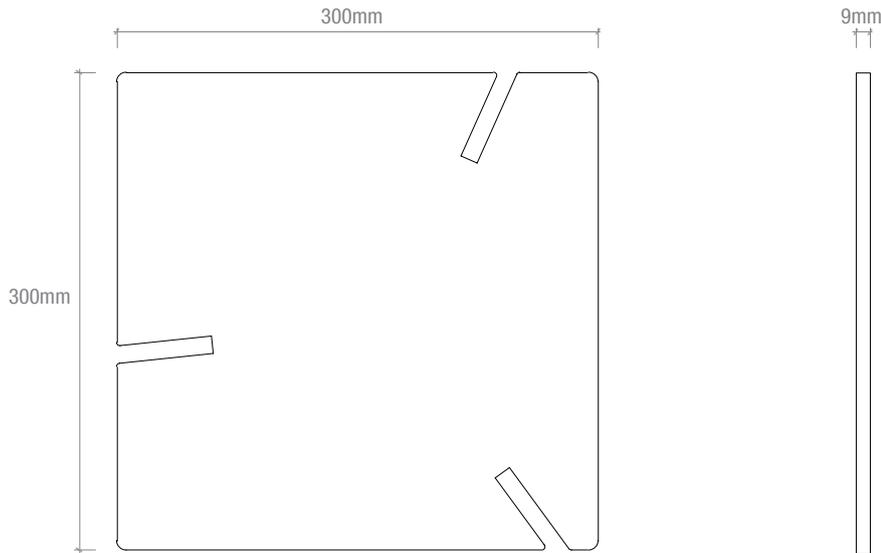
Alloy



Equinox

Product may vary in colour due to the nature of the media
Please refer to website for current colour range

ECOUSTIC® FLOAT



PRODUCT	Ecooustic® 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	<p>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</p> <p>*The metric Sabin is the only accurate and valid acoustic measure for freestanding acoustic products where sound energy comes from a 360 degree direction</p> <p>Refer to acoustic graph on last page</p> <p>The raw material Ecooustic® SC 9mm panel achieves α_w 0.78 / NRC 0.85 (200mm airgap)</p>	
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	

Please refer to website for CAD drawings and contact details

BENEFITS

Dynamic Design: The inherent clever orientation of the intersecting junction angles ensures that formations of Ecooustic® Float can be arranged in endless combinations. The suspended orientation allows designers the freedom to arrange the small-scale pieces into any form they desire to suit the scale and interior space.

Versatile: The modularity of Ecooustic® Float allows the creation of scalable sculptural configurations to cater for interior environments, where an acoustic cloud + baffle system is needed to address unwanted noise within a particular area or space.

Acoustic: 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, and the raw material Ecooustic® Solid Colour 9mm panel achieves an α_w 0.78 and NRC 0.85 rating (200mm airgap).

Designed for the Environment: Easy to disassemble and separate into the appropriate recycling systems, Ecooustic® Float can be recycled.

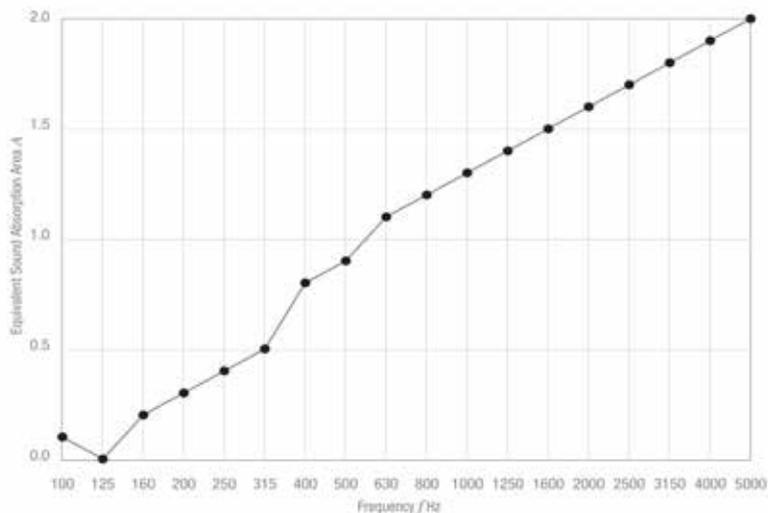
Low VOC + Oeko Tex Certification: Ecooustic® Float is certified low-VOC and is Oeko Tex certified.

Green Star: Ecooustic® Float can contribute to Green Star low-VOC points.

Please Note: Variation in thickness, colour as well as flecks and other slight surface blemishes are an inherent feature of this product and are unavoidable. Variation from batch to batch may occur.

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 α_w 0.78 / NRC 0.85 with a 200mm air cavity.