

ECOUSTIC® INTERSECT SPECIFICATION



INSTYLE

ECOUSTIC® INTERSECT FINISHES



Snowdrop



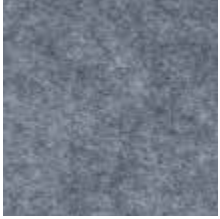
Almond



Oxide



Cool



Tungsten



Galaxy

ECOUSTIC® INTERSECT



PRODUCT	Ecoustic® Intersect Partition	
DESCRIPTION	Inspired by agile and flexible workspaces, Ecoustic® Intersect is an elegant, free-standing partition to enhance visual privacy and acoustic comfort designed by Alexander Lotersztain	
COMPOSITION	100% PET	
DIMENSIONS	Available in Landscape + Portrait size Landscape: H 1500mm, W 1700mm, D (base) 580mm Portrait: H 1565mm, W 1250mm, D (base) 580mm Panel Thickness: 12mm approx.	
ACOUSTIC AS/ISO 354	The tested arithmetic average of frequencies from 200 - 2500 Hz equivalent absorption by area is 2.22 metric Sabins per assembled Intersect Landscape unit *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 12mm panel achieves α_w 0.8 / NRC 0.85 (200mm airgap)	
LIGHTFASTNESS ISO 105-B02	>7	
FIRE RATINGS AS/NZS 1530.3	Ignitability	8
	Spread of Flame	0
	Heat Evolved	1
	Smoke Developed	5
AS/ISO 9705	BCA Group 1 SMOGRA <100 NZBC Group 1-S	
ASTM E84	Class A	
APPLICATION	Partition	

BENEFITS

Visual Privacy + Acoustic Comfort: Ecoustic® Intersect is designed to enhance visual privacy and acoustic comfort. The tested arithmetic average of frequencies from 200 - 2500 Hz equivalent absorption by area is 2.22 metric Sabins per assembled Intersect Landscape unit, and the raw material Ecoustic® Solid Colour 12mm panel achieves an α_w 0.8 and NRC 0.85 rating (200mm airgap).

Versatile: Ecoustic® Intersect can easily blend into any setting and configured in a number of ways to create adaptable areas from linear screening to curved meeting nooks. A two-tone partition can be achieved by purchasing two differing colour partitions.

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

Low VOC + Oeko Tex Certification: Ecoustic® Intersect is certified low-VOC and is Oeko Tex certified.

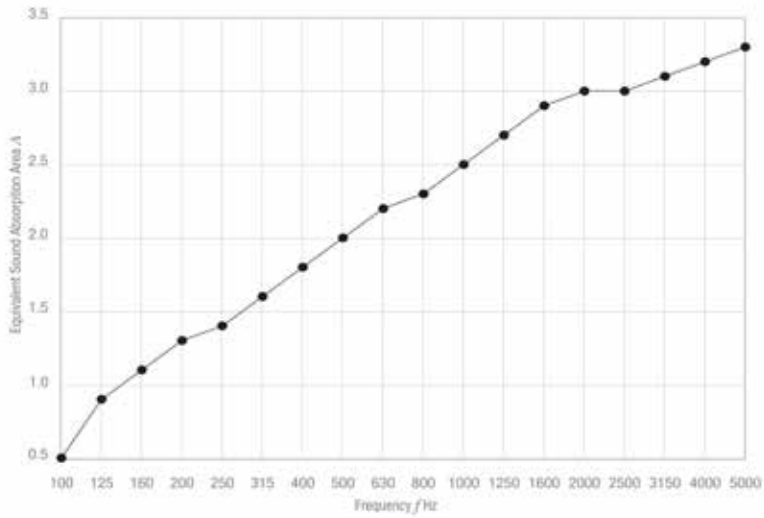
Modular + Easy to Install: Ecoustic® Intersect is modular and able to be repositioned and moved as required. Installation + Care Guidelines are available on our website.

Variation: 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.

Warranty: Instyle provides a 12 month warranty against manufacturing defects. Internal installation only, outdoor use will void any warranty.

ACOUSTIC PERFORMANCE

Ecoustic® Intersect Landscape: 2.22 metric Sabin per assembled unit*



Frequency f / Hz	T1 Empty Chamber (seconds)	T2 With sample (seconds)	A Third Octave (m ²)
100	7.41	5.57	0.5
125	6.64	4.28	0.9
160	7.73	4.37	1.1
200	8.33	4.25	1.3
250	8.19	3.93	1.4
315	8.18	3.74	1.6
400	7.94	3.47	1.8
500	7.85	3.20	2.0
630	7.45	3.00	2.2
800	7.27	2.85	2.3
1000	6.61	2.60	2.5
1250	6.02	2.39	2.7
1600	5.35	2.22	2.9
2000	4.49	2.02	3.0
2500	3.86	1.86	3.0
3150	3.47	1.73	3.1
4000	3.04	1.60	3.2
5000	2.58	1.44	3.3

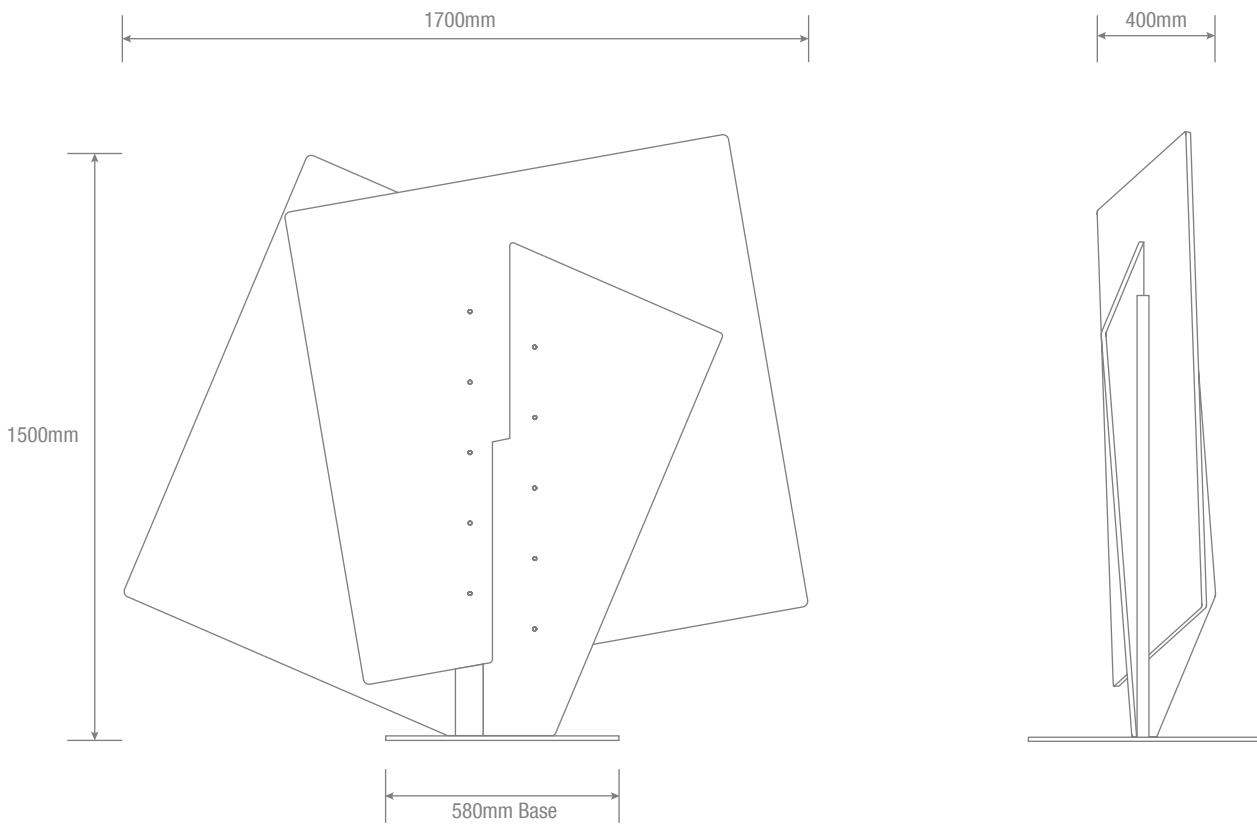
Sabins are a measure of sound absorption of a material. If the material is 1 square metre in size and has 100% sound absorption at that size then the material has performance of 1 metric Sabin.

Due to the multi-faceted shape of Ecoustic® Intersect, the sound absorption 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 2.22 metric Sabins per assembled Intersect Landscape unit, which is an outstanding performance.

The raw material Ecoustic® SC 12mm panel used to make Ecoustic® Intersect achieves an α_w 0.8 / NRC 0.85 with a 200mm air cavity.

ECOUSTIC® INTERSECT

Ecoustic® Intersect Landscape



Ecoustic® Intersect Portrait

