

# Ecooustic® Intersect

—  
A partition to enhance visual privacy and acoustic comfort by Alexander Lotersztain



INSTYLE

# Colours



Snowdrop



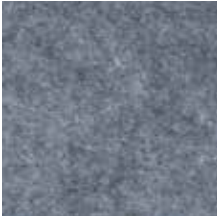
Almond



Oxide



Cool



Tungsten



Galaxy

# Ecoustic® Intersect



<b>PRODUCT</b>	Ecoustic® Intersect Partition	
<b>DESCRIPTION</b>	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	
<b>COMPOSITION</b>	100% PET	
<b>DIMENSIONS</b>	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.	
<b>ACOUSTIC AS/ISO 354</b>	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 $\alpha_w$ 0.8 / NRC 0.85 (200mm airgap)	
<b>LIGHTFASTNESS ISO 105-B02</b>	>7	
<b>FIRE RATINGS AS/NZS 1530.3</b>	Ignitability	8
	Spread of Flame	0
	Heat Evolved	1
	Smoke Developed	5
<b>AS/ISO 9705</b>	BCA Group 1 SMOGRA <100 NZBC Group 1-S	
<b>ASTM E84</b>	Class A	
<b>APPLICATION</b>	Partition	
<b>ORIGIN</b>	Made in Australia	

## BENEFITS

**Versatile:** 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.

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

### Designed for the Environment

- Designed for disassembly + recyclable
- Ecoustic® SC 12mm panel is low-VOC + Oeko-Tex Certified

**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:** Intersect will contribute the following points for Green Star, LEED + WELL building standards.

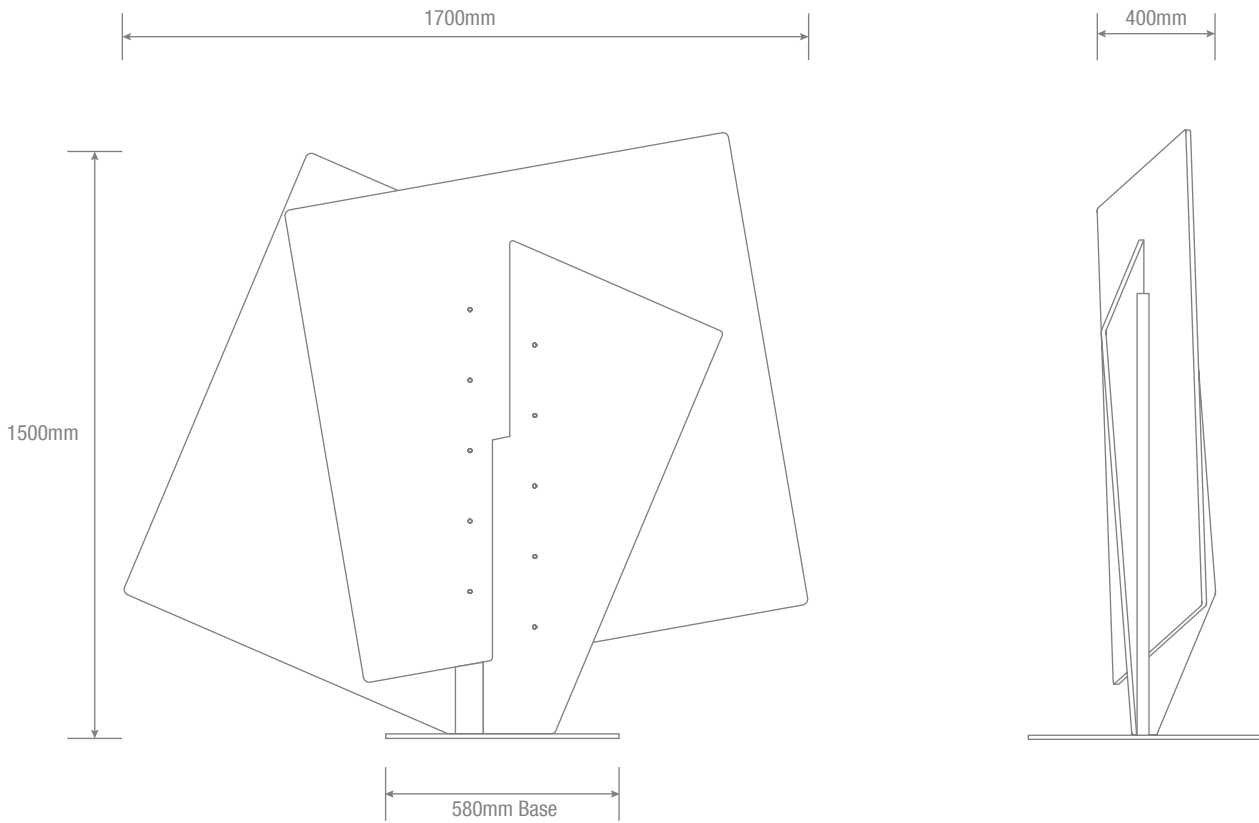
Criteria	Green Star	LEED	WELL
Low VOC	√	√	√
Recycling Program	√	√	NA
Third Party Certification	-	√	√
Toxic Material Reduction	NA	NA	√

## HOW TO SPECIFY

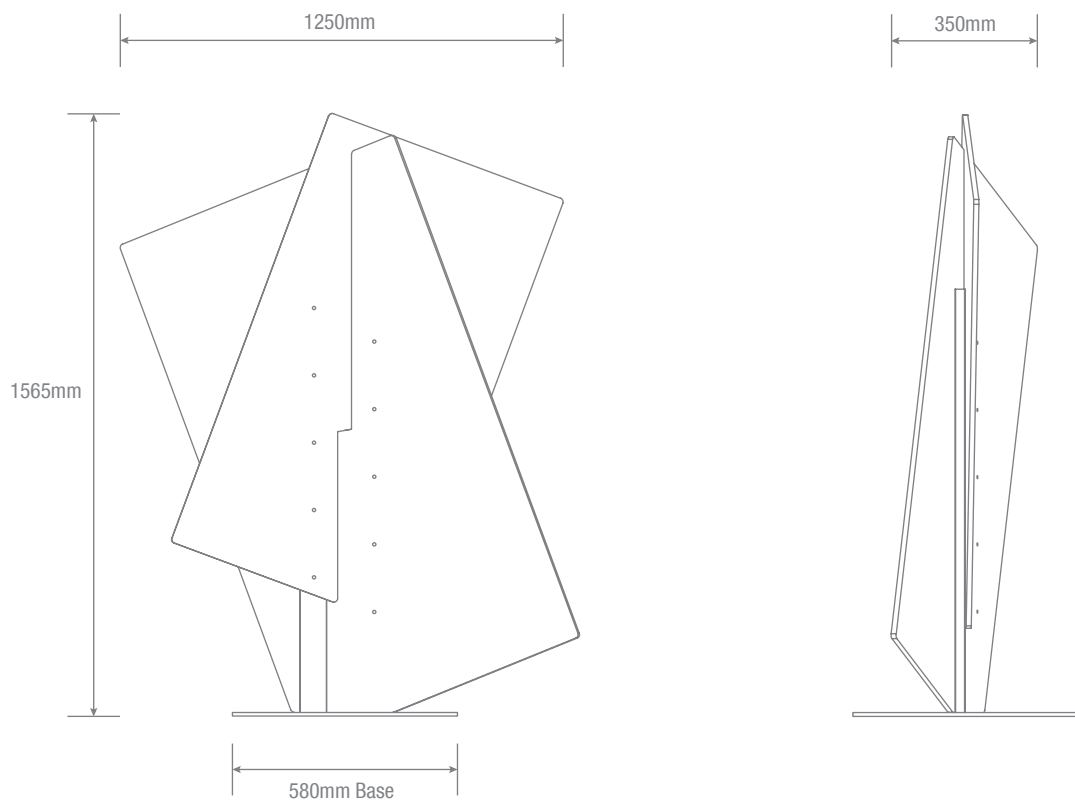
<b>PRODUCT</b>	Ecoustic® Intersect
<b>DESIGN</b>	Landscape or Portrait
<b>COLOUR</b>	Select from SC 12mm colours

# Ecoustic® Intersect Design Options

## Ecoustic® Intersect Landscape

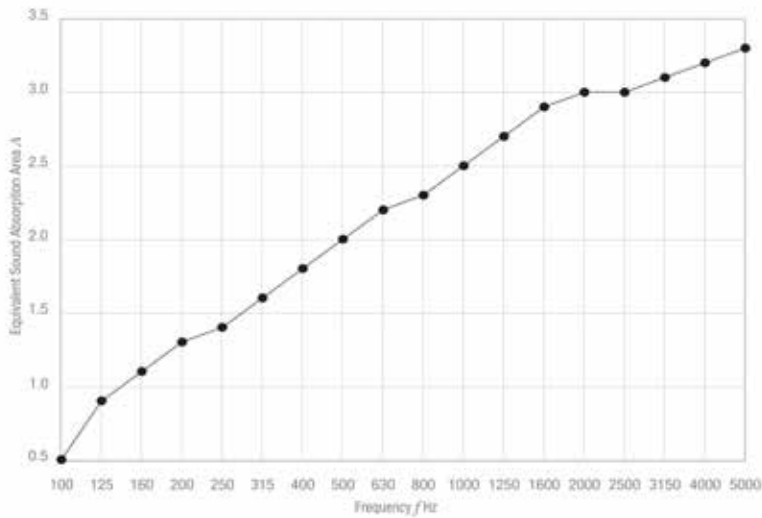


## Ecoustic® Intersect Portrait



# 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 <sup>2</sup> )
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  $\alpha_w$  0.8 / NRC 0.85 with a 200mm air cavity.