Ecoustic® Intersect

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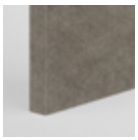
A partition to enhance visual privacy and acoustic comfort by Alexander Lotersztain

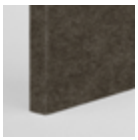
Colours

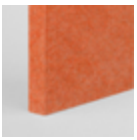

Snowdrop

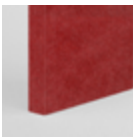

Almond

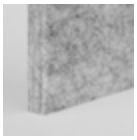

Horizon

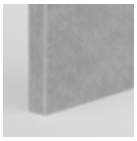

Fawn

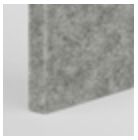

Truffle

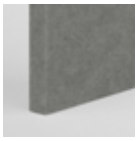

Arizona

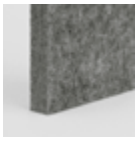

Venus

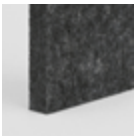

Oxide


Cool


Atom

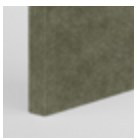

Cirrus

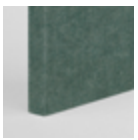

Tungsten

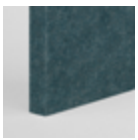

Galaxy

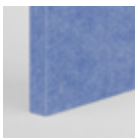

Cave

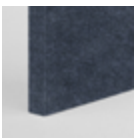

Leaf


Olive


Isle


Azure


Bluebell


Denim


Iris

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

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 αw 0.8 / NRC 0.85 (200mm airgap)	
LIGHTFASTNESS ISO 105-B02	>7	
FIRE RATINGS AS/NZS 1530.3	Ignitability Spread of Flame Heat Evolved Smoke Developed	8 0 1 5
AS/ISO 9705	BCA Group 1 SMOGRA <100 NZBC Group 1-S	
ASTM E84	Class A	
APPLICATION	Partition	
ORIGIN	Made in Australia	

BENEFITS

Versatile: Intersect can 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.

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.

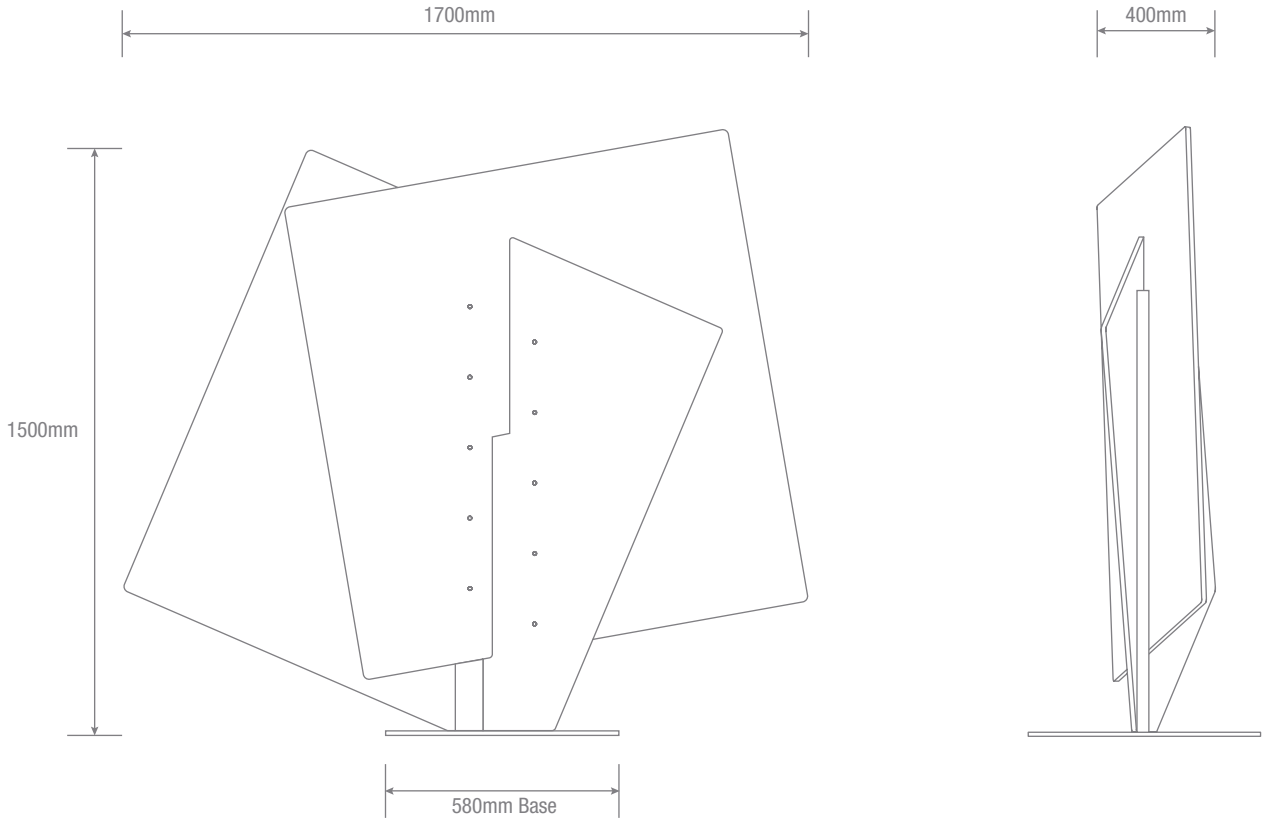
Building Rating Systems: Intersect will contribute the following points for Green Star, LEED + WELL building standards.

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	√

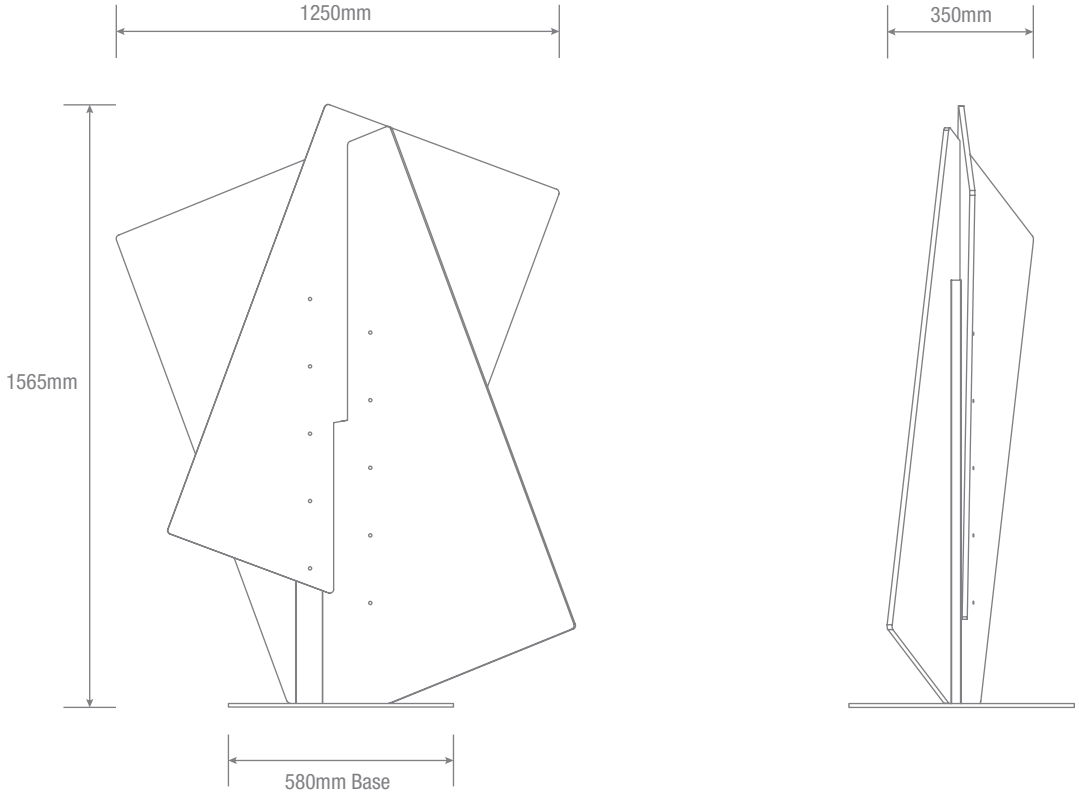
HOW TO SPECIFY	
PRODUCT	Ecoustic® Intersect
DESIGN	Landscape or Portrait
COLOUR	Select from SC 12mm colours

Ecoustic® Intersect Design Options

Ecoustic® Intersect Landscape

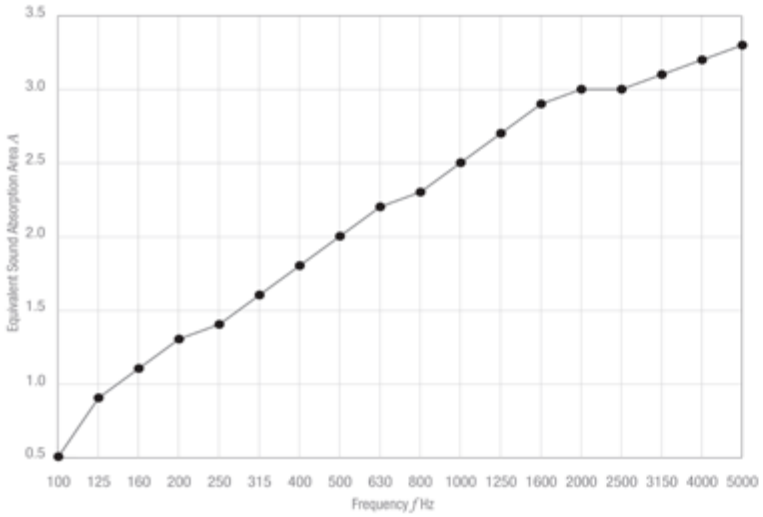


Ecoustic® Intersect Portrait



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^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 αw 0.8 / NRC 0.85 with a 200mm air cavity.