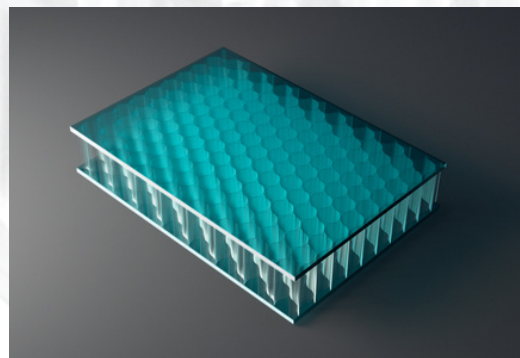




## PRODUCT DESCRIPTION

**AIR-board<sup>®</sup> ECO color** honeycomb panels are made with two polycarbonate (PC) core options and colored glossy PMMA-facing sheets. Facings are made with 100% recycled PMMA (R-MMA) and have the same excellent properties as standard PMMA made with a synthetic monomer and are 100% recyclable. These lightweight panels, combined with two different core options, can be used in many different ways in interior architecture to suit the needs of your design.



## COLOR

**Standard:** Orange Flash, Blue Sky

**Premium:** Red Wine, Yellow Sun, Green Forest, Blue Ink

In addition to the standard and premium colors, we offer digital printing for indoor use: AIR-board<sup>®</sup> ECO color printed (\*)

\* Requires RAL color number. RAL colors are converted to translucent colors and will vary from the actual RAL color. There is no MOQ, a set-up fee may apply.

## CORE

AIR-board<sup>®</sup> ECO color cell diameter 7 mm/0.27"

chaos AIR-board<sup>®</sup> ECO color cell diameter 4/7/12 mm – 0.15" / 0.27" / 0.47"

## DIMENSIONS

FORMAT	LENGTH [MM/INCHES]	WIDTH [MM/INCHES]	**THICKNESS [MM/INCHES]
Standard	3,020/118.8	1,220/48	19/0.75
Special Dimensions*			
AIR-board <sup>®</sup> ECO color chaos AIR-board <sup>®</sup> ECO color	max. 3,020/118.8 max. 3,020/118.8	max. 1,500/59 max. 1,300/51	max. 30/1.18 max. 30/1.18
<b>Production/Cutting Tolerance</b>	2/-2 to 0.08/-0.08	1/-2 to 0.04/-0.08	0/-1 to 0/-0.04

\*On request – minimum orders apply

\*\* Thickness of 12mm/0.47", 16mm/0.63" and 30mm/1.18" are also available, minimums or extended lead times may apply

## PHYSICAL PROPERTIES

COEFFICIENT OF THERMAL EXPANSION ACC. TO DIN 537522-A [1/K]	SERVICE TEMPERATURE [C/F]	FACING SHEETS	* ESTIMATED LIGHT TRANSMISSION [%]
6 x 10 <sup>-5</sup>	-30 to +80 / -22 to 176	3mm PMMA	45%

\*estimated using standard thickness of 19 mm / 3/4"



## MECHANICAL PROPERTIES

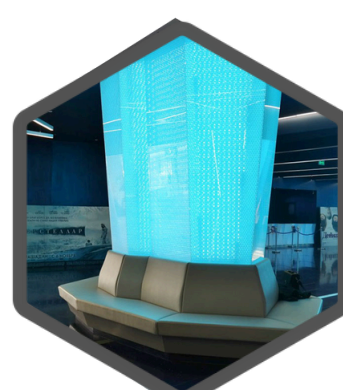
THICKNESS [MM/INCHES]	WEIGHT PER UNIT AREA [KG/M <sup>2</sup> /LBS/SQFT]	THERMAL INSULATION U-VALUE [W/M <sup>2</sup> K]	SOUND INSULATION RW [DB]	*MODULUS OF ELASTICITY [N/MM <sup>2</sup> ]
19/0.75	8.0/1.80	2.5	24	714
30/1.18	8.8/1.80	1.8	26	1,710

\*per 1m panel width

## FIRE CLASSIFICATION

FIRE CLASSIFICATION	ASTM D-2843 SMOKE DENSITY [%]	ASTM D-635 BURNING RATE [INCHES]	ASTM D-1929 SELF IGNITION TEMP. [F]
C1/CC1	36.50%	0.47"	1,095

## POPULAR APPLICATIONS



## INFINITE POSSIBILITIES

Moxie Surfaces is the US Distributor of Design Composite. We specialize in creative finishing materials with infinite possibilities. Our unique architectural elements stimulate the senses and help create beautiful environments for learning, living, and enjoying our lives.

Our products provide a variety of benefits including sound absorption, light transmission and thermal insulation, while offering unlimited applications for indoor or outdoor design.

## NOTES

All information and specifications contained herein are based on the most up-to-date information available and to the best of our knowledge. These specifications are subject to change at any time. A legally binding assurance of certain properties or the suitability of an individual type for a specific field or application cannot be inferred from these specifications. All information is provided without any obligation. No legal liability can or will be assumed.

