

MEGANITE®

Acrylic Solid Surface

MEGANITE® ACRYLIC SOLID SURFACE SHEET SIZES

Dimension	Weight	Color Collection
144" x 30" x 1/2" (3660 x 760 x 12 mm)	132 lbs. (60 kgs)	All Series
144" x 48" x 1/2" (3660 x 1220 x 12 mm)	212 lbs. (96 kgs)	Solid White Partial Movement Series
144" x 59" x 1/2" (3660 x 1500 x 12 mm)	261 lbs. (118 kgs)	Solid White
120" x 30" x 1/4" (3050 x 760 x 6 mm)	57 lbs. (26 kgs)	Solid Series Mist Series Stone Series
96" x 36" x 1/4" (2440 x 915 x 6 mm)	55 lbs. (25 kgs)	Solid Series Mist Series Stone Series

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Physical Properties	Typical Test Result	Test
Density	1.7	ASTM D-792
Water Absorption (24 hours)	0.04%	ASTM D-570
Hardness, Barcol	60	ASTM D-2583
Hardness, Rockwell	90	ASTM D-785
1/2" (12 mm) Weight per square foot	4.4 lbs.	
1/4" (6 mm) Weight per square foot	2.2 lbs.	

Mechanical Properties	Typical Test Result	Test
Flexural Modulus	1,200,000 PSI	ASTM D-790
Flexural Strength	10,500 PSI*	
Tensile Modulus	1,500,000 PSI	ASTM D-638
Tensile Strength	6,000 PSI*	
Tensile Elongation	0.4% min	
Thermal Expansion	1.3"10-6 IN/IN/ ° F	ASTM D-696
Radiant Heat Resistance	No visual effect	NEMA LD 3-3-10
1/2" (12 mm) Impact Resistance	> 125"	NEMA LD3-3 (1/2 LB Ball)
1/4" (6 mm) Impact Resistance	> 36"	

* Test results vary slightly depending on pattern.

Surface Properties	Typical Test Result	Test
Consistency of Color	Pass	ISFA SST 2.1-00
Flatness of Sheet	Pass	ISFA SST 4.1-00
Visual Defects	Pass	ISFA SST 5.1-00
Light Resistance	Pass	ISFA SST 7.1-00
Stain Resistance	Pass	ASNI 124.6
Boiling Water Resistance	No Change	NEMA LD3-3-5
High Temperature Resistance	No Change	NEMA LD3-3-6
Color Stability	No Change	NEMA LD3-3-10
Fungi Resistance	No Growth	ASTM G21
Bacteria Resistance	No Growth	ASTM G22
Antibacterial Effectiveness	99.9% (AcryMed Series)	ISO 22196 / JIS Z 2801

Fire Performance	Typical Rest Result	Test
Flammability	Class 1/A	ASTM E84
Flam Spread	Class 1/A (< 25)	
Smoke Development Density	Class 1/A (< 25)	

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Certification	Typical Test Result	Test
Food Zone Use	NSF Approved	NSF Standard 51
Indoor Air Quality	Greenguard Approved	Greenguard
Indoor Air Quality for Children	Greenguard Gold Approved	Greenguard Gold
Recycled Contented	Pre-Consumer 6% (AR Series)	SCS Global

MEGANITE® 912B & 913B (ICE SERIES) PERFORMANCE PROPERTY

Physical Properties	Typical Test Result	Test
Destiny	1.5	ASTM D-792
Water Absorption (24 hours)	0.05%	ASTM D-570
Hardness, Rockwell	90	ASTM D-785
1/2" (12 mm) Weight per square foot	4.4 lbs.	

Mechanical Properties	Typical Test Result	Test
Flexural Modulus	850,000 PSI	ASTM D-790
Flexural Strength	5,500 PSI	
Tensile Modulus	840,000 PSI	ASTM D-638
Tensile Strength	2,300 PSI	

Surface Properties	Typical Test Result	Test
Consistency of Color	No Effect	ISSFA SST 2.1.00
Light Resistance	No Effect	ISFA SST 7.1-00
Stain Resistance	Pass	ASNI 124.6
Boiling Water Resistance	No Effect	ISSFA SST 8.1.00
High Temperature Resistance	No Effect	ISSFA SST 9.1.00
Fungi Resistance	No Growth	ASTM G21

Fire Performance	Typical Test Result	Test
Flammability		ASTM E84
Flam Spread	> 75	
Smoke Development Density	> 450	