

MEGANITE®

**PRODUCT
OVERVIEW**

Read about MEGANITE's technical information and learn why MEGANITE meets some of today's toughest standards in fire resistance, hygiene, cleanliness, and strength/durability.

the dimension

STANDARD OFFERING			
THICKNESS	WIDTH	LENGTH	WEIGHT
1/4 " (6mm)	36" (915mm)	96" (2440mm)	55 lbs/sheet
1/2 " (12mm)	30" (760mm)	144" (3660mm)	132 lbs/sheet

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the tests

MEGANITE ACRYLIC SOLID SURFACE 100% Acrylic Resin

Property	Typical Result	Test
General		
Thickness	1/2 inch (12 mm)	n/a
Specific Gravity	1.7	ASTM D-792
Water Absorption (24 hours)	0.04%	ASTM D-570
Mechanical		
Tensile Strength	6,000 psi	ASTM D-638
Flexural Strength	9,000 psi	ASTM D-790
Hardness	60 / 90	Barcol / Rockwell
Thermal Expansion	1.3" 10-6 in/in/°F	ASTM D-696
Impact Resistance	>125"	NEMA LD3-3 (1/2lb ball)
Surface		
Stain Resistance	Pass	ASNI 124.3 & 124.6 -2007
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 after 28 days	ASTM G21
Bacteria & Germ Resistance	No Change	ASTM G-22
Fire & Heat		
Flammability	Class 1/A	UBC8-1(NFPA No.255)
Flame Spread	Class 1/A (FSI @ 10)	ASTM E 84
Smoke Density	Class 1/A (SDI @ 5)	ASTM E 84
Certifications		
Food and Splash Zone	NSF Approved	NSF Standard 51
For Children & School Surfaces	GREENGUARD Approved	GREENGUARD GOLD
Indoor Air Quality	GREENGUARD Approved	GREENGUARD Certification Program
Recycled Content Material	Pre-Consumer 6%	SCS Global

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ICE SERIES

912B & 913B

Property	Typical Result	Test Method
General		
Thickness	1/2 inch (12 mm)	n/a
Specific Gravity	1.5	ASTM D-792
Water Absorption (24 hours)	0.05%	ASTM D-570
Mechanical		
Tensile Strength	2,300 psi	ASTM D-638
Tensile Modulus	840,000 psi	ASTM D-638
Flexural Strength	5,500 psi	ASTM D-790
Flexural Modulus	850,000 psi	ASTM D-790
Rockwell Hardness	91	EN-101
Surface		
Stain Resistance	Pass	ASNI 124.6 -2007
Boiling Water Resistance	No Effect	ISSFA SST 8.1.00
High Temperature Resistance	No Effect	ISSFA SST 9.1.00
Consistency of Color	Pass	ISSFA SST 2.1.00
Light Resistance	No Effect	ISSFA SST 7.1.00
Fungi Resistance	None - No Growth after 28 days	ASTM G21
Fire & Bacteria		
Flame Spread	> 75	ASTM E 84
Smoke Generation	> 450	ASTM E 84
Fungus and Bacteria Resistance	No Growth	ASTM G 21