

**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

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

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## PRODUCT OVERVIEW

### the tests

### MEGANITE ACRYLIC SOLID SURFACE 100% Acrylic Resin

Property	Typical Result	Test
<b>General</b>		
Thickness	1/2 inch (12 mm)	n/a
Specific Gravity	1.7	ASTM D-792
Water Absorption (24 hours)	0.04%	ASTM D-570
<b>Mechanical</b>		
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)
<b>Surface</b>		
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
<b>Fire &amp; Heat</b>		
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
<b>Certifications</b>		
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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the tests

**ICE SERIES  
912B & 913B**

Property	Typical Result	Test Method
<b>General</b>		
Thickness	1/2 inch (12 mm)	n/a
Specific Gravity	1.5	ASTM D-792
Water Absorption (24 hours)	0.05%	ASTM D-570
<b>Mechanical</b>		
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
<b>Surface</b>		
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
<b>Fire &amp; Bacteria</b>		
Flame Spread	> 75	ASTM E 84
Smoke Generation	> 450	ASTM E 84
Fungus and Bacteria Resistance	No Growth	ASTM G 21