

**Materials support S3 polycarbonate sheet material.**

**Maintenance:**

We suggest using soapy water but never any cleaning solvent, alcohol, window cleaner or any other detergent without knowing its specific ingredients.  
Soapy water and soft cloth are best to prevent any panel damage.

**Scratches**

Removing light scratches on panel can be done by polishing. Clean with soapy water and dry (microfiber). Apply the polish and rub in a circular pattern to remove scratches. Repeat until complete removal. After polish application, use Altuglas cleaner or soapy water to restore shine and remove finger prints.

**Cuts:**

Panels are cut to required dimension, we therefore do not advise any further cutting which could permanently damage the printed surface. However, if you have to make adjustment cuts, make sure to protect all panel surfaces from friction. Circular saw is normally used for straight cut, inverted blade on jig saw can be use. In any case, we recommend you use a new blade with carbide teeth.  
Please note that you can require a specific cut at the time of order. Finally apply fungi proof silicone sealant between wall and panel for wall to wall installation.

**Typical Property Values** ◆

Property	Test Method	Unit	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.2
Water absorption, equilibrium, 24 Hrs.	ASTM D570	%	0.17
Light Transmission (avg.) 125"	ASTM D1003	%	85
<b>Mechanical</b>			
Tensile Strength	ASTM D638	psi	
@ Yield			8,800
Ultimate			9,000
Elongation	ASTMD638	%	95
Tensile Modulus	ASTM D638	psi	335,000
Compressive Strength	ASTMD695	psi	12,500
Dynatup Impact Strength, ½" dia. dart, (gauge dependent)# @ 73°F	ASTM D3783	ft-lbs.	50
Gardner Impact Strength, round tup (gauge dependent)# @ 73°F	ASTM D3029	in-lbs.	> 320
Izod Impact Strength, (gauge dependent) #	ASTM D256A	ft-lbs/in	
Notched @ 73°F			16.0
Unnotched @ 73°F			NB
<b>Thermal</b>			
Heat deflection temperature @ 264 psi	ASTM D648	°F	266
Coeff.of Thermal Expansion	ASTM D696	in/in/°F	3.75 x 10 <sup>-5</sup>
<b>Flammability</b>			
UL Flammability##	UL 94	-	V-2 @ 1.5mm (0.059") and thicker V-0 @ 6mm (0.236") and thicker