

# PRODUCT DATA SHEET



**AmeriLite MW PRO**  
 MULTIWALL POLYCARBONATE  
 4mm - 16mm Sheets

## AmeriLite MW PRO MULTIWALL POLYCARBONATE SHEETS

### PRODUCT DIMENSIONS

| Product/Thickness | Structure   | Width     | Length     | Rib Distance | Lbs/Sq Ft |
|-------------------|-------------|-----------|------------|--------------|-----------|
| 4mm               | Twin-Wall   | 48" & 72" | Up to 292" | 4.6mm        | 0.16      |
| 6mm               | Twin-Wall   | 48"       | Up to 292" | 5mm          | 0.25      |
| 6mm               | Twin-Wall   | 72"       | Up to 292" | 6mm          | 0.25      |
| 8mm               | Twin-Wall   | 48" & 72" | Up to 292" | 10mm         | 0.307     |
| 10mm              | Twin-Wall   | 48" & 72" | Up to 292" | 10mm         | 0.348     |
| 16mm              | Triple-Wall | 48" & 72" | Up to 292" | 20mm         | 0.55      |

Product Tolerances: Thickness: +/-0.5mm | Width: -0/+6mm | Weight: +/-0.05 kg/m<sup>2</sup> | Length < 196": -0/+10mm | Length > 196": -0/+25mm  
 Custom colors and non-standard sizes available; minimum order quantities apply. Contact APC for details.

### LIGHT TRANSMISSION

| Product          | Clear LT% | SHGC | Opal LT% | SHGC | Bronze LT% | SHGC | Softlite LT% | SHGC |
|------------------|-----------|------|----------|------|------------|------|--------------|------|
| 4mm Twin-Wall    | 85%       | 0.83 | N/A      | N/A  | N/A        | N/A  | N/A          | N/A  |
| 6mm Twin-Wall    | 82%       | 0.82 | 40%      | 0.47 | 50%        | 0.61 | N/A          | N/A  |
| 8mm Twin-Wall    | 81%       | 0.82 | 40%      | 0.58 | 30%        | 0.60 | 79%          | 0.77 |
| 10mm Twin-Wall   | 81%       | 0.79 | 40%      | 0.46 | 50%        | 0.44 | N/A          | N/A  |
| 16mm Triple-Wall | 74%       | 0.72 | 40%      | 0.46 | 30%        | 0.43 | N/A          | N/A  |

### PERFORMANCE VALUES

| Product          | U-Value<br>Btu/h.ft <sup>2</sup> .°F | R-Value<br>h.ft <sup>2</sup> .°F/Btu | STC | Minimum<br>Curve Radius | 1" Def at 30 psf | 2.5" Def at 30 psf |
|------------------|--------------------------------------|--------------------------------------|-----|-------------------------|------------------|--------------------|
| 4mm Twin-Wall    | 0.69                                 | 1.45                                 | 6   | 24"                     | N/A              | N/A                |
| 6mm Twin-Wall    | 0.65                                 | 1.54                                 | 8   | 36"                     | N/A              | 34"                |
| 8mm Twin-Wall    | 0.60                                 | 1.67                                 | 13  | 48"                     | 20"              | 36"                |
| 10mm Twin-Wall   | 0.56                                 | 1.79                                 | 20  | 60"                     | 23"              | 41"                |
| 16mm Triple-Wall | 0.42                                 | 2.38                                 | 21  | 95"                     | 33"              | 56"                |

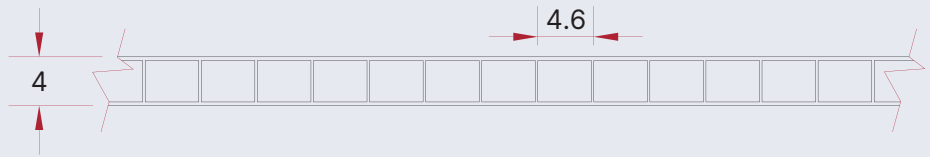
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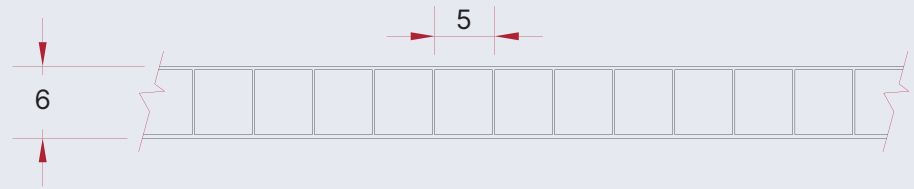
**AmeriLite MW PRO**  
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## PRODUCT STRUCTURES

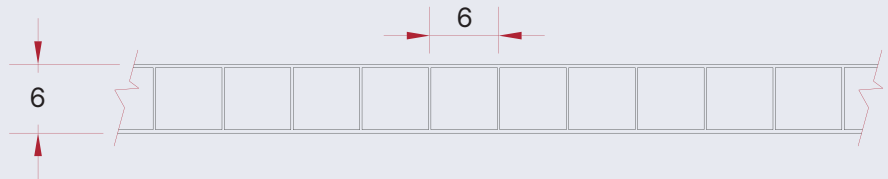
4mm Twin-Wall



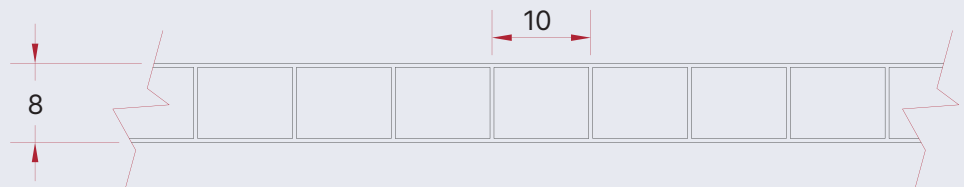
6mm Twin-Wall  
48" Width Sheet



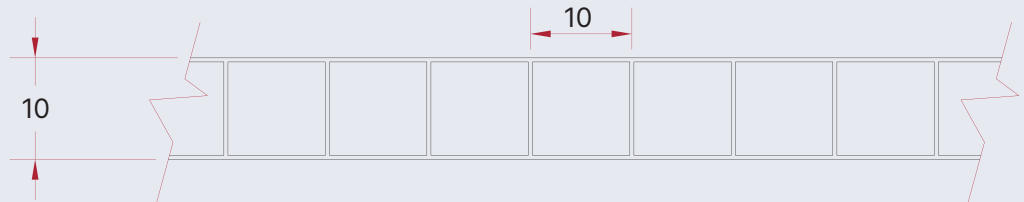
6mm Twin-Wall  
72" Width Sheet



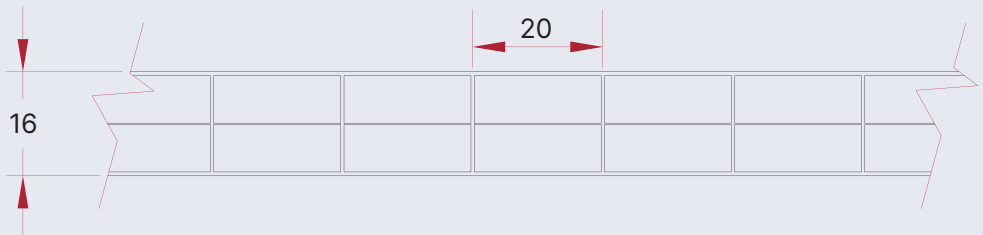
8mm Twin-Wall



10mm Twin-Wall



16mm Triple-Wall



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AmeriLite MW Pro is the multiwall polycarbonate sheet manufactured by APC. The sheet is characterized by high optical clarity, light transmission, impact resistance and durability. It is available in a range of standard sizes, clear and tinted. AmeriLite MW Pro has a co-extruded UV protection layer on one or both sides of the sheet.

### WARRANTY

10-Year Limited Warranty. Full warranty documentation is available upon request.

### FIRE TESTING

AmeriLite MW Pro multiwall polycarbonate sheets (4mm–16mm), manufactured by APC, demonstrate good fire performance. Classification report available upon request.

### QUALITY

Manufactured under ISO 9001:2015 to EN 16153:2013+A1:2015.

### HANDLING & SAFETY

Do not step or walk directly on the polycarbonate sheets. Always use stepping boards during and after installation. Work according to local safety regulations.

### STORAGE

Store in a shaded place, protect from direct sunlight and rain prior to installation. Avoid covering the sheets with heat absorbing materials. Avoid contact with chemicals. Protect the sheets from physical damage. Pallets should be stacked no more than three pallets high.

### INSTALLATION

Allow adequate clearance for thermal movement, nominally 0.14 in. per foot of sheet length. Holes drilled for fasteners must be oversized. Sheet lengths must be limited to ensure there is no excessive movement at the end laps.

### SERVICE TEMPERATURE

AmeriLite MW Pro mechanical performance is known to remain stable for prolonged service in temperatures ranging from –4 to +212 °F (Short term unstressed –40 to +266 °F).

### MAINTENANCE

In order to maintain this product in good condition it should be cleaned periodically using suitable detergent cleaning agents. Do not use solvent cleaners. Do not scrub with brushes or sharp implements. Avoid cleaning in hot sun or high temperatures.

### RECYCLING

AmeriLite MW Pro is 100% recyclable and reusable if separated from other materials at the end of its life cycle. Contact your local recycling center for more information.

### ADDITIONAL INFORMATION

Please contact the Technical Department for product specific information.

This information is given in good faith & is believed by American Polycarbonate Company to be accurate & reliable. Since the use of this information is not within American Polycarbonate Company's control, no warranty, expressed or implied is given. It is the user's responsibility to determine whether the product is appropriate for their purpose. American Polycarbonate Company pursues a policy of continuous product development and reserves the right to amend specification without notice.

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