Thicker is better:
DMI distributors offer better choices in translucent panels. Our commercial grade panels are tested to withstand harsh environments.

Our Standard 1.0mm thick panels are up to 25% thicker than competing 0.8mm polycarbonate sheets. This extra thickness translates directly into extra strength allowing the profile below to pass wind uplift and stress load testing.

For the customers who want to invest in the strongest profiled panel, we offer the Mega 1.5mm panel. It is up to 93% thicker than the competitors 0.8mm thick panels and offers higher wind load and snow loading capabilities.

Why choose DMI Polycarbonate
• Polycarbonate panels save money
• Up to 200 times stronger than glass
• Strong, durable and impact resistant
• TDI, ICC and FBC Approved
• 10 year impact and light transmission warranty
• Built-in UV protection
• Made in the U.S.A.

Looking for an approved panel?
MR12 1.0mm Commercial grade and 1.5mm Mega panels have been tested and approved for use as roofing and sidewall panels. The 1.0mm and 1.5mm panels have a FBC Florida Building Code and a TDI Texas Department of Insurance approval.

10/10 Warranty:
10 Year light transmission and 10 year hail limited commercial warranty is available to the original purchaser. The warranty warrants that the product shall not lose more than 10% of its light transmitting capacity for a period of 10 years. The hail warranty warrants that the product shall not break due to excessive loss of impact strength as a direct and exclusive result of impact of hail. Warranty must be registered at warranty@directmetalsinc.com

Tested:

<table>
<thead>
<tr>
<th>Warranty</th>
<th>10Yr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame Spread ASTM E 84</td>
<td>Class A</td>
</tr>
<tr>
<td>Impact Resistance</td>
<td>High</td>
</tr>
<tr>
<td>Liquid Resistance</td>
<td>0% absorption</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-30 to +260 deg F</td>
</tr>
<tr>
<td>Safety</td>
<td>no vapors or fibers</td>
</tr>
<tr>
<td>1.0mm 5’ O.C. wind test</td>
<td>-27.5 psf / +35 psf</td>
</tr>
<tr>
<td>1.5mm 5’ O.C. wind test</td>
<td>-45.0 psf / +50 psf</td>
</tr>
</tbody>
</table>

Accessories:
Fasteners, sealants, closures and ridge caps are available to complement many applications. These specific fasteners & accessories have been tested for compatibility and are required to keep panel warranty intact.

Common Applications
• Metal Building Skylights and Sidelights
• Patio and Pool Cage Covering
• Home and Commercial Greenhouses
• Walkway and Bus Stop Covering
• Gazebo and Shelter Roof Covering

Flexibility:
Above you will see one of our 5 standard profiles. DMI distributors also have the flexibility to offer many choices in daylighting options including profiled and flat monolithic translucent panels. Custom panel profile matching technology is available to your customers where DMI can create a custom translucent panel using your CAD drawing (minimum orders apply).
Installation

Thank you for considering DMI/PAI polycarbonate panels. Proper installation is key in achieving the top performance from these panels. To assist you in planning for your project we have outlined proper installation procedures below for TDI/FBC.

1. Dry fit panels over opening to determine how panels will fall over purlins. Panels should overhang a minimum of 2” and a maximum of 6” beyond the row of fasteners on the purlins.
2. Plan/identify fastening points and pre-drill the polycarbonate sheets in these locations with a 3/8” drill bit. Clear holes of any burrs.
3. Apply Butyl®Roll sealant tape in between all metal panel to polycarbonate panel laps to create a gasket around the entire perimeter of the panel. Double taped end laps are suggested.
4. Fasteners should be installed at every purlin in the pattern below. Panel overlap fasteners (Grommet Seals) should be installed at every lap every 15” for the full length of the panel. Grommet seal installation requires 3/8” predrill of metal and polycarbonate panel. Do not overtighten fasteners.

** Installation guides are available on request.

Installation Notes

To cut panels: use a circular saw with a 128 small tooth blade rotating at high speed; advance saw slowly, support the sheet in the vicinity of the cut; clean away debris after cutting.

Extra Fastening: although not part of the minimum requirements for TDI and FBC approval, DMI does suggest a #14 x 2-1/2” DMIREPL14250SSB fastener on crest fixing at lap edge into purlins (4-6 per panel). DMI also suggests increasing grommet seal installation to every 12” on panel overlaps.

Sealants: Use only approved sealants; find a list at www.directmetalsinc.com

Roof Pitch: Best performance on roof pitch of 10% or more, minimum recommended pitch rate is 5%.

Working to exceed expectations

If you need assistance in selecting the correct product for your project, please call our office to talk with a product specialist. Please feel free to request color or profile samples. Equally important to selecting the correct product is the use of proper installation procedures. If you are unsure of how to install our panels, please call our office at 855-600-8878 for a printed guide.

D.M.I. Products are Distributed by: