

Thicker

Polycarbonate panels allow architects and building owners to take advantage of one of Mother Nature's best free resources, daylight. This resource allows years of energy savings and has made our panels a fast growing alternative to traditional lighting solutions.

Polycarbonate panels are strong and durable with up to 200 times the strength of traditional glass. DMI offers affordable Polycarbonate Translucent Panels designed to complement popular corrugated roofing panel profiles. Our panels are co-extruded with UV protection and offer a 10 year warranty against loss of light transmission due to yellowing, and against damage due to hail.

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.

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



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Thicker is better:

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

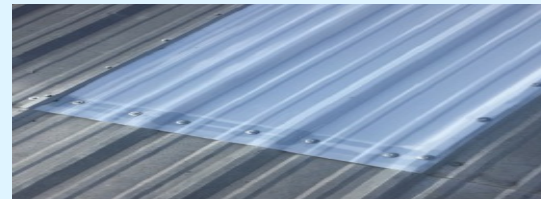
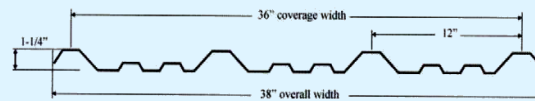
Our Standard **1.0mm** thick panels are up to 25% thicker than competing 0.8mm polycarbonate sheets. This extra thickness translates directly into extra strength allowing the profile below to pass wind uplift and stress load testing.

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.

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.

MR12	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight
FBC,TDI	38"	36"	12"	1.25"



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).

Better

UV protected:

What is special about the product Direct Metals, Inc. offers?

Our product is Made in the U.S.A. and has co-extruded UV protection that provides protection throughout the panel. This process is different than some competing products that use only a spray on top coating that can be diminished by weathering.

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:

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

1.0mm light transmission

Clear	90%
Opal White	45%
Bronze	35%

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.

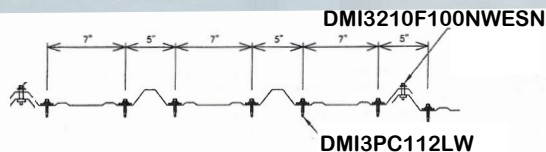


Installation

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

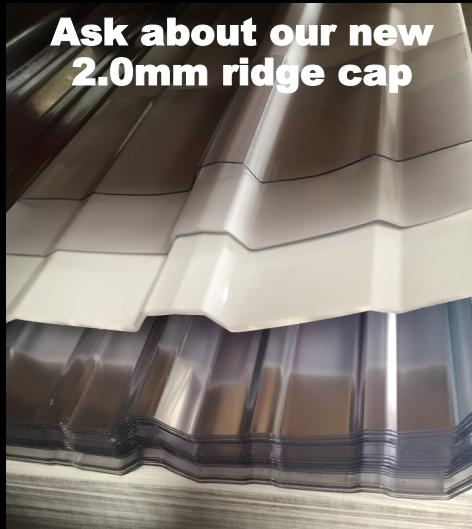
To cut panels: use a circular saw with a 128 small tooth blade rotating at high speed; advance saw slowly, support the sheet in the vicinity of the cut; clean away debris after cutting.

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%.

Ask about our new
2.0mm ridge cap



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 855-800-8878 for a printed guide.

D.M.I. Products are Distributed by:



**TDI and FBC
Translucent Panel
Solutions**

