

1.5mm MEGA HD Commercial Grade Corrugated Polycarbonate Translucent Panels



Polycarbonate panels allow architects and building owners to take advantage of one of Mother Nature's best free resources, daylight. Polycarbonate panels are strong and durable, with up to 200 times the strength of traditional glass. DMI offers 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 plus a 10 year warranty against breakage due to hail.

Applications include:

Metal building sidelights and skylights in new building construction.
 Replacement panels for deteriorated fiberglass panels in metal buildings.
 Canopies and patio coverings in pool areas and screen cage applications.
 Commercial Greenhouses, Home Greenhouses, Office Partitions, Vertical Glazing, Industrial Roofing, Pool Enclosures, Patio Covering, Window Replacement, Metal Buildings, Skylights, Domes, Shelters, Canopies, Sheds, Carports, Sunrooms, Sidelites.

Thicker is better:

1.5mm Commercial grade panels are up to 93% thicker than competing 0.8mm polycarbonate sheets. This extra thickness translates directly into extra strength allowing this panel to span up to 5' on center purlin spacing. Competing 0.8mm thick panels may require 2' or 3' on center purlin spacing. The MEGA12 panel can support up to 60 lbs per sq ft of snow load with 4' purlin spacing.

Tested and approved:

MR12 1.5mm Commercial grade have been Florida Building Code approved for use as structural roofing and side wall panels.

Panel	Purlin Spacing	FBC Approval #	Test/wind load pressures from FBC Testing
1.5mm MR12	5' Centers	FL 11238.2	-45.0 psf / +50 psf

UV protected:

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

They are Made in the U.S.A. and have co-extruded UV protection that provides protection throughout the panel. This process is different than some competitors products that use 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 breakage warranty warrants 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

Flexibility:

DMI distributors have the flexibility to offer many choices in daylighting options including; profiled and flat (non-profiled) translucent polycarbonate and PVC panels. Custom panel profile matching technology is available to your customers where DMI can create a custom translucent panel using a qualifying CAD drawing (minimum orders apply).

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.





1.5mm CORRUGATED POLYCARBONATE PROFILE SELECTION GUIDE

1.5mm MEGA HD polycarbonate panel panels are designed for use in steel buildings where purlin spans can be up to 5' apart. These panels are also popular for canopies and patio coverings in pool areas and screen cage applications. Commercial Greenhouses, Home Greenhouses, Office Partitions, Vertical Glazing, Industrial Roofing, Pool Enclosures, Patio Covering, Window Replacement, Fiberglass Skylight Panel replacement, Metal Building Skylights, Domes, Shelters, Canopies, Sheds, Carports, Sunrooms, Sidelites.

DMI has the flexibility to offer many choices in daylighting options including corrugated polycarbonate panels in 1.0mm, 1.5mm, and 2.0mm thick in many different corrugations.

Below you will find our quick ship panel options on 1.5mm thick commercial grade polycarbonate panels.



1.5mm MEGA HD Grade Panels

Profile/Color	Length	WHSE	Part#	Light Transmission
MR9 Clear	12'	2	DMPCMR9MC12	88%
MR9 White	12'	2	DMPCMR9MW12	43%
MR12 Clear FBC	12'	1	DMPR1MSCL12	88%
MR12 White FBC	12'	1	DMPR1MSWT12	43%
BR2 Soft White	12'	1	DMPRBR215SW12	78%

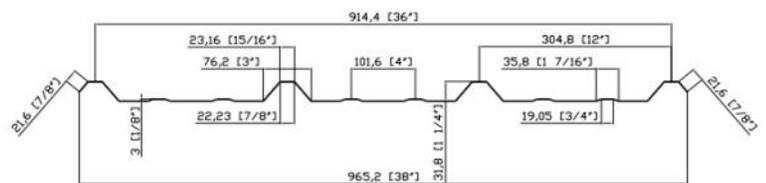
Installation Accessories

Description	Length	Part#
PC to Steel SDFBC Screw	1-1/4"	DMIPOSD14150W114
PC to Steel SS Screw	1-1/2"	DMIREPL14150SSB
PC to Steel SS Screw	2-1/2"	DMIREPL14250SSB
PC to Wood SS Screw	1-1/2"	DMIREPL14150SSA
PC to Wood SS Screw	2-1/2"	DMIREPL14250SSA
PC Lap Stitch Grommet	1"	DMI210F100NWESN
PC <1" Rib Stitch Screw	3/4"	DMIREPL14034SSA
PC Pre-drill Drill Bit 3/8"	4"	DMI9DB384
Purlin Drill Bit 7/32"	2-1/2"	DMI9SWSN7/32
Butyl*Roll Seam Tape 3/8"	45'	DMBT3323845
Butyl*Roll Seam Tape 7/8"t 25'		DMBT31678M
Translucent Sealant Tube	300ml	DMSM5731C
Fall Guard Protection Scn	F-310	FGF310

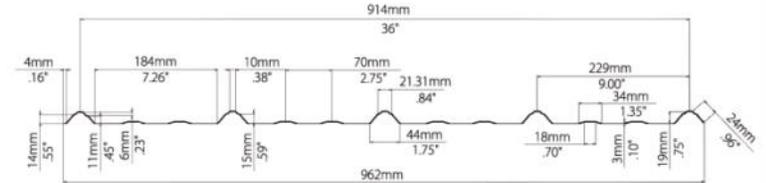
Important things to know:

1. All sales final - no returns
2. The above fasteners and accessories are required for approved installation and warranty validity.
3. It is suggested to register the warranty with DMI.
4. Shipping charges and packaging charges may be additional.
5. Custom panel profiles and custom lengths are available by special request, expect order minimums and required deposits.
6. All fastening points must be pre-drilled to allow for expansion and contraction of the product.
7. When dropped in between two metal panels as a skylight application, white is the suggested color choice for quality of light.
8. Polycarbonate is sensitive to some chemicals in popular sealants and caulking. Consult our approved sealant list before putting polycarbonate in contact with any sealant.

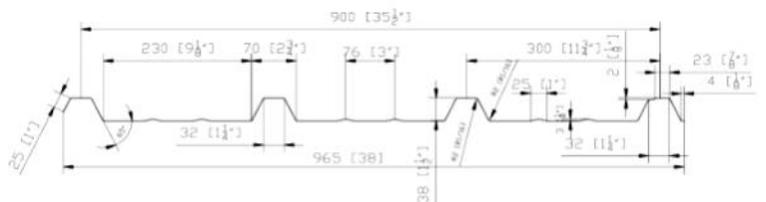
MR12 FBC	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: Clear, White
FL11238.2	38"	36"	12"	1.25"	



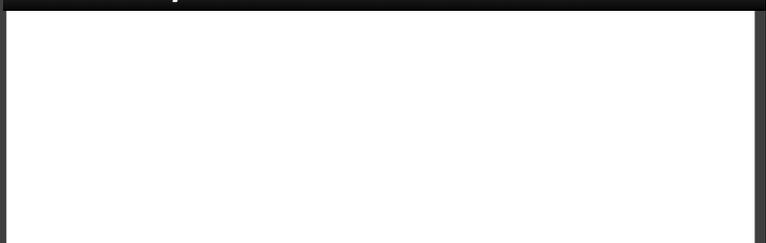
MR9	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: Clear, White
3/4" RIB	38"	36"	9"	.75"	



BR2	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: Soft White
Butler Rib 2	39.8"	36"	12"	1.5"	



Available for purchase from DMI Distributor below



Installation instructions at www.directmetalsinc.com