

1.0mm 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:

1.0mm Commercial grade panels are up to 25% 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.

Tested and approved:

MR12 1.0mm Commercial grade have been tested and approved for use as roofing and side wall panels in Florida and have a TDI approval.

Panel	Purlin Spacing	FBC / TDI Approval #	Test/wind load pressures from FBC Testing
1.0mm MR12	5' Centers	FL 11238.1 TDI RWA04	-27.5 psf / +35 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.





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

Below you will find our quick ship panel options on 1.0mm thick commercial grade polycarbonate panels. Made in the USA, in stock and ready to ship from a DMI Service Center.

1.0mm Commercial Grade Panels

Profile/Color	Length	WHSE	Part#	Light Transmission
MR9 Clear	12'	1,2	DMP341MSCL12	90%
MR9 White	12'	1,2	DMP341MSWT12	45%
MR12 Clear FBC	12'	1,2	DMPR1MSCL12	90%
MR12 White FBC	12'	1,2	DMPR1MSWT12	45%
MR12 Bronze	12'	1	DMPR1MSGR12	35%
5V White	12'	1	DMP51M5VWT12	45%
2.67 SP Clear	12'	1	DMP10925312C	90%
2.67 SP White	12'	1	DMP10924912W	90%
7270Clear	12'	Call	DMIPC727012C	90%

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"	25'	DMBT31678M
Translucent Sealant Tube	300ml	DMSM5731C
Fall Guard Protection Scn	F-310	FGF310



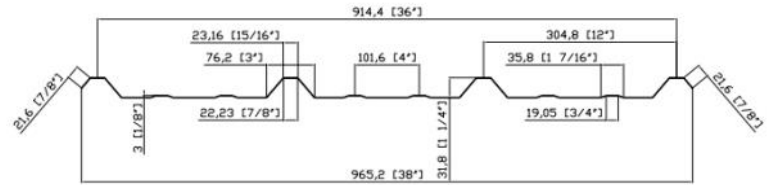
Important things to know:

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.

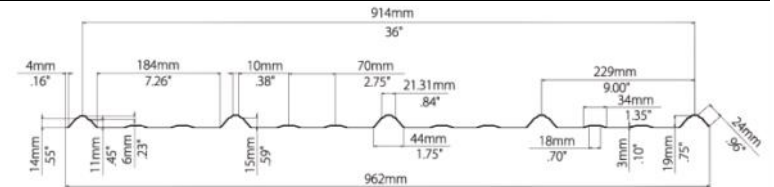
Find installation instructions at
www.directmetalsinc.com

1.0mm CORRUGATED POLYCARBONATE PROFILE SELECTION GUIDE

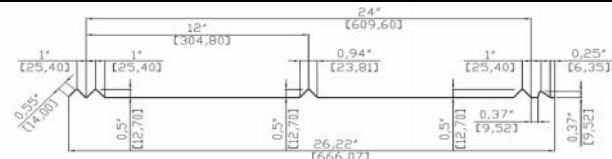
MR12 FL11238.1	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: Clear, White, Bronze
FBC,TDI	38"	36"	12"	1.25"	



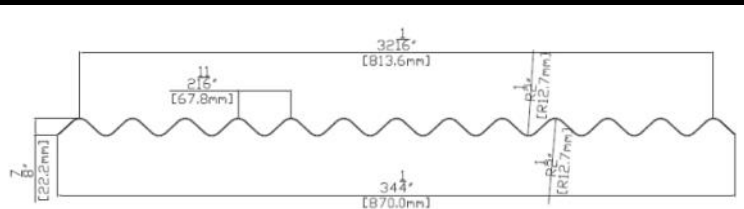
MR9	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: Clear, White
	38"	36"	9"	.75"	



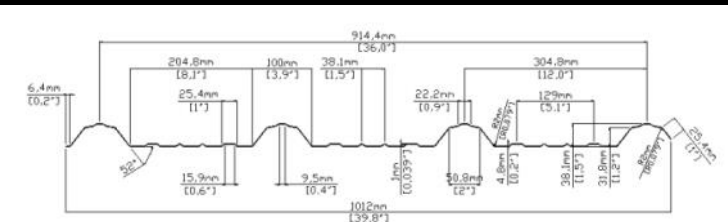
5V	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: White
	26"	24"	12"	0.5"	



2.67 SP	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Available colors: Clear, White
	34.25"	32"	2.67"	7/8"	



DMIPC 7270	Overall Width	Net Coverage	Pitch / On Center	Depth / RHeight	Special Order with Minimums: Clear, White, Soft white, Bronze, Silver
Special Order	39.8"	36"	12"	1.5"	



Available for purchase from DMI Distributor below