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POLYGAL® MULTIWALL FAQ's

HOW DO I CLEAN POLYGAL POLYCARBONATE MULTIWALL SHEET?

The best way to clean POLYGAL MULTIWALL sheet is to use mild soap and water with a soft microfiber cloth, followed by a lukewarm water rinse. DO NOT use sponges, squeegees, brushes, or sharp instruments as they may damage the UV protective coating and surface of the sheet. For detailed information, please refer to the cleaning instructions for polycarbonate located at www.plaskolite.com under the Resources tab.

IS POLYGAL MULTIWALL SHEET UV RESISTANT?

POLYGAL MULTIWALL polycarbonate sheet products are transparent to visible light but opaque to harmful UV light from 385 nanometers and below. The panel comes with a UV blocking cap layer on either one or two sides, depending on the installation of the application. The UV blocking cap enables the product to offer a limited 10-year warranty for yellowing due to UV degradation. If using 1-sided UV protected sheets, it is important to identify the UV capped side (facing the sun) prior to removing the protective masking. **If installed with the UV blocking cap side down, the top side will yellow prematurely. Once the masking is removed, it is extremely difficult to determine which side is UV protected. Please contact technical support if you need assistance.**

HOW DO I PROPERLY STORE POLYGAL MULTIWALL POLYCARBONATE PANELS TO PREVENT DAMAGE?

Panels should be stored indoors in a dry, dark & well-ventilated area, with NO EXPOSURE to sunlight, wind, dirt, or hard objects to prevent damage. Supported and sloped stacking is recommended. Place the flat panels on a soft material (e.g. cardboard) to prevent damage. Stack flat panels to a maximum height of one meter (3 feet). If storing outdoors, multiwall panels should be covered with an opaque material (e.g. cardboard, wood, EPDM sheet etc.) that provides protection from the sun and direct heat. DO NOT store polycarbonate products under flexible PVC coverings.

Note of warning: Outdoor storage of MULTIWALL polycarbonate products exposed to sun light will cause the protective polyethylene film to bake and bond onto the sheet, and it WILL NOT BE ABLE TO BE REMOVED.

HOW DO I CUT MY POLYGAL SHEETS?

POLYGAL MULTIWALL polycarbonate sheet can be cut using conventional carpentry tools. For best results use sharp cutting tools and minimize vibration of the material. Cutting tools include standard circular, jig, or table saw with a blade having 8-12 teeth per inch (per cm). Saw dust should be blown out of the channels by using clean, dry compressed air. Circular saws should have fine-tooth sheet blades. Thinner MULTIWALL panels, (4-6mm), can be cut with a box knife. However, it is important that the knife is sharp. Always use proper safety equipment when working with power tools.

CAN I DRILL INTO POLYGAL SHEETS?

Holes can be drilled by using a power drill with standard high-speed, sharp, steel bits with an angular wedged groove. When drilling, support should be given immediately beneath the drill to avoid all vibration. Very clean holes are easily obtained using this method. All holes should be drilled at least 1.57" (40mm) from the edge of the sheet. The use of liquid cooling media is not recommended, unless using clean, cool water.

Please note: It is NOT recommended to drill holes through the sheet to be used for attachment points. Rather, the use of aluminum or polycarbonate profiles with approved gasket support to grasp the panels is recommended.

WHAT IS THE SERVICE TEMPERATURE OF POLYGAL MULTIWALL SHEETS?

POLYGAL MULTIWALL polycarbonate sheets and profiles can be installed in a variety of applications, with varying temperature ranges. However, the material's mechanical performance is known to remain stable in prolonged service in temperatures ranging from -25°C (-13°F) to +85°C (185°F). MULTIWALL polycarbonate has a maximum service temperature of 120°C (248°F).

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HOW MUCH DOES THE MATERIAL EXPAND AND CONTRACT WITH TEMERATURE FLUCUATIONS?

The coefficient of linear expansion of MULTIWALL polycarbonate material is 6.65×10^{-5} cm/(cm•°C) or 3.75×10^{-5} in/in•°F. It is necessary to allow for 1/16th inch (0.063", [1.6mm] **per 12" [0.30m] per length and width)** from a change in room temperature of +/- 21°C (70°F). Total delta temperature swing from -18°C (0°F) to 60°C (140°F). Where those applications that have a greater temperature swing, a higher expansion allowance is needed to accommodate the thermal expansion of the material.

Example: 1) 1/16" per foot: 12" x 0.0000375 x 60°C (140°F) = 0.063".

Example #2) 12" x 0.0000375 x 82°C (180°F) [i.e. +/- 32°C (90°F)] = 0.081".

WHAT ARE THE THERMAL INSULATION R-VALUES AND HEAT RESISTANT U-VALUES OF POLYGAL?

R-value is the insulative value to resist heat flow, whereas the higher the number the better the insulative property. The U-value of glazing indicates how resistant it is to conductive heat transfer, the lower the number the better the material is at resisting heat transfer. Through the panel, for example, MULTIWALL 6mm (0.236") SG can achieve a U-Factor of 6.3 (Btu/h/ft²/°F) and a R-Factor of 1.58 (Btu/h/ft²/°F). Whereas a thicker MULTIWALL panel of 20mm (0.787") TOPGAL achieves a U-Factor of 0.26 (Btu/h/ft²/°F) and a R-Factor of 3.84 (Btu/h/ft²/°F).

DOES POLYGAL MULTIWALL MEET FLAMMABILITY REQUIREMENTS UNDER THE INTERNATIONAL BUILDING CODE (IBC)?

POLYGAL MULTIWALL panels meet a CC-1 burn rate, and depending on thickness, can achieve a CLASS A fire code classification, and a European EN 13501 B,s1,d0.

CAN I COLD BEND POLYGAL MULTIWALL SHEETS?

POLYGAL MULTIWALL sheets can be cold bent over curved support profiles. The sheets must always be bent in the length direction and never across the width of the panel. Sheets can be bent to a minimum of **two hundred times** the thickness. For example, 6mm (0.236") can be minimally bent to 1200mm (47"), whereas 20mm (0.787" can be bent to 4000mm (157").

WHERE CAN I FIND INFORMATION ON THE WIND & SNOW LOAD BEARING OF POLYGAL MULTIWALL PANELS?

It is the sole responsibility of the customer to confirm with an architect or engineer, or other professional consultant that the materials offered for sale meet the requirements and specifications of the project and all local building codes. PLASKOLITE offers the following information and is based on our best knowledge. PLASKOLITE reserves the right to change specifications and data, without notice, if deemed necessary in the evolution of its products.

Install the panels with the flutes parallel to slope direction at minimum 5%. for water runoff and self-cleaning. In wall and gable applications always ensure the flutes are positioned vertically. Supporting beams should be at least 40mm (1.5" inches) wide to ensure good anchorage of panels and fastening accessories.

The table shows recommended span between purlins (intermediate fields) in flat structures depending on type of various sheets and loads, consider the expected deflection, the buckling moment, and the edge translations. Load bearing capacity is dependent on proper design and installation of POLYGAL sheets.

Do not walk directly over the installed panels. Instead place a stiff plank over the panels to distribute the weight of the individual.

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Recommended Span Between Purlins in Flat Structures (in, mm) for TOPGAL Sheets:

Recommended Span Between Purlins in Flat Structures

Sheet Thickness	Pressure Direction	16 PSF	21 PSF	27 PSF	32 PSF	37 PSF	42 PSF
8mm	Wind Load	43.3"/1099mm	37.4"/950mm	31.5"/800mm	27.6"/701mm	23.6"/599mm	19.7"/500mm
8mm	Gravity Load	45.3"/1150mm	39.37"/1000mm	35.4"/899mm	29.5"/749mm	25.6"/650mm	23.6"/599
20mm	Wind Load	56.1"/1425mm	53.2"/1351mm	49.2"/1250mm	43.3"/1100mm	39.37"/1000mm	37.4"/950mm
20mm	Gravity Load	61"/1549mm	57.1"/1450mm	51.2"/1300mm	47.24"/1200mm	43.3"/1100	39.37"/1000mm

Recommended Span Between Purlins in Flat Structures (meters):

Thick./ Width	Direction	750Pa	1000Pa	1250Pa	1500Pa	1750Pa	2000Pa
8/600	Wind load	1.1	1	0.85	0.7	0.6	0.5
	Gravity load	1.4	1.3	1.2	1.1	1	0.9
10/600	Wind load	1.3	1.15	0.95	0.85	0.8	0.7
	Gravity load	1.5	1.4	1.3	1.2	1.1	1
16/600	Wind load	1.4	1.25	1.1	1	0.9	0.8
	Gravity load	1.65	1.6	1.55	1.5	1.45	1.4
16/1000	Wind load	0.9	0.6				
	Gravity load	1.5	1.4	1.35	1.3	1.25	1.2
20/1000	Wind load	1.2	0.8	0.6			
	Gravity load	1.6	1.5	1.45	1.4	1.35	1.3

- Pa - Pascal. It is a measure of force per unit area, defined as one newton per square meter. Allowed deflection of ≤50 mm.

- The calculations were made for Stainless Steel Fasteners

- For more specific load calculation please contact Plaskolite Technical Support

WHAT TYPES OF SEALANTS SHOULD BE USED WITH POLYGAL MULTIWALL POLYCARBONATE SHEET?

POLYGAL MULTIWALL polycarbonate resistance to sealants is largely dependent on the presence of aggressive components in the bonding agent, such as plasticizers, (e.g. phthalates) and solvents. These products can quickly migrate into multiwall and crack the sheets where it comes into contact with the sealant. Additionally, the absence of these solvents frequently means the silicone bead will not grip permanently to the panel and may peel away entirely over time leading to rain infiltration and leakage. A better leak-proof system involves using a watertight EPDM gasket along the panel's edge fixed in the aluminum profile. Or for a watertight system, use the Gasket Clip (GCP) with PLASKOLITE'S MW standing seam connection profiles.

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Common approved sealants and gaskets for POLYGAL MULTIWALL Panels:

Recommended Sealants, Gaskets, and Tapes		
Product Type	**Product Names**	**Manufacturer**
Silicone	Dow 795 • Dow 995 • Dow 999	Dow-Corning Corp • Midland, MI • (800) 346-9882
Silicone	Silpruf	Momentive Performance Materials • Waterford, NY • (877) 943-7325
Gasket	EPDM (60, 70D)	Tremco Columbus, OH (800) 321-6357

Many other glazing materials are commercially available which are compatible with POLYGAL MULTIWALL polycarbonate sheet. For specific instructions on glazing sealants, please refer to Approved Sealants guidance document located at www.plaskolite.com under the Resources tab.

HOW LONG WILL POLYGAL MULTIWALL POLYCARBONATE SHEET LAST?

PLASKOLITE'S POLYGAL MULTIWALL sheet products are engineered to the highest standards, but require proper installation and maintenance to insure the product's longevity in the field. POLYGAL MULTIWALL products carry a 10-year limited warranty on UV yellowing and breakage. Please see warranty details for additional information or contact your inside salesperson for more details.

WHERE CAN I FIND MORE INFORMATION FOR POLYGAL MULTIWALL POLYCARBONATE PRODUCTS?

Polygal MultiWall Product Guide

Polygal MultiWall Fabrication Guide

POLYGAL ® is a registered trademark of PLASKOLITE LLC

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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Polygal Standard Sheet (PCSS)
6mm. 0.236”, 1300 g/m², 0.26 lbs/ft²

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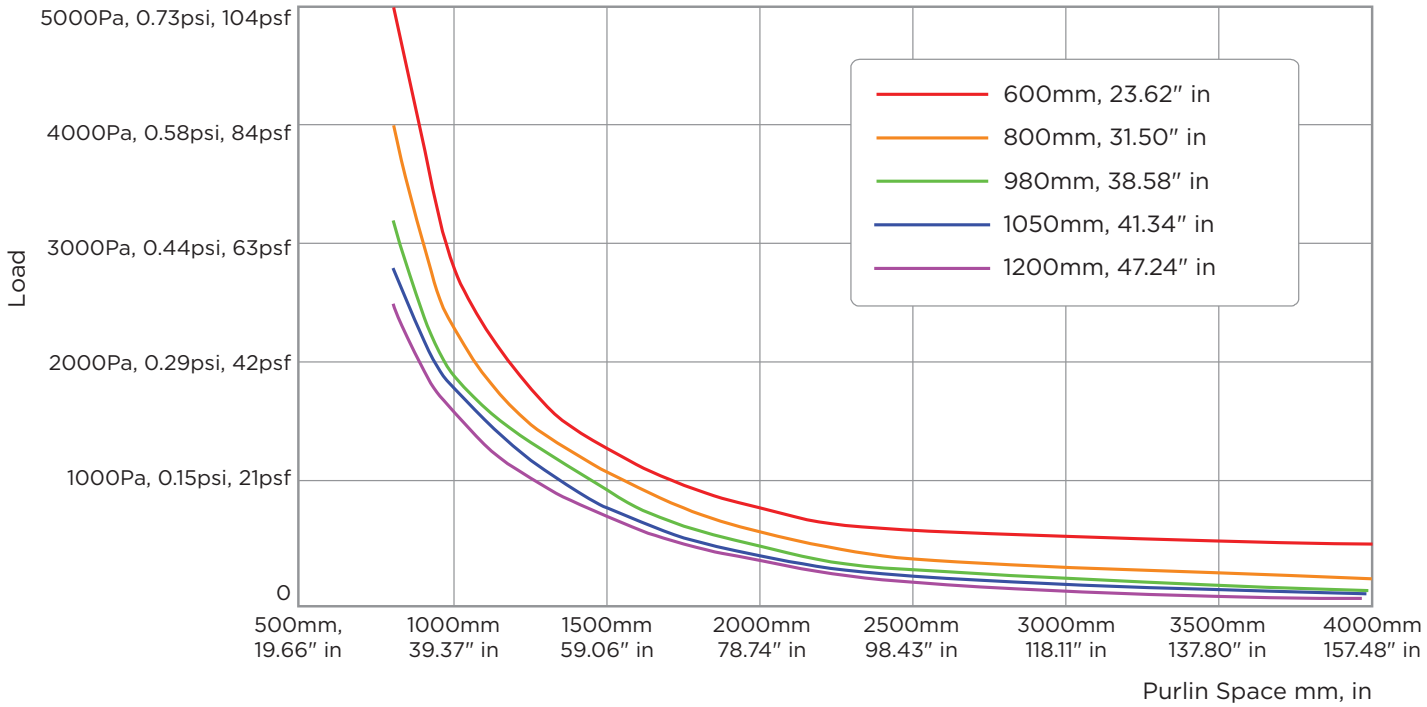
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
	600mm 23.62”	**800mm, 31.5”**	**980mm, 38.58”**	**1050mm, 41.34”**	**1200mm, 47.25”**
800mm, 31.50” in	5000Pa, 104psf	4000Pa, 84psf	3200Pa, 67psf	2800Pa, 58psf	2500Pa, 52psf
900mm, 35.43” in	3800Pa, 79psf	3000Pa, 63psf	2400Pa, 50psf	2200Pa, 46psf	1950Pa, 41psf
1000mm, 39.37” in	2800Pa, 58psf	2300Pa, 48psf	1900Pa, 40psf	1800Pa, 38psf	1600Pa, 33psf
1250mm, 49.21” in	1800Pa, 38psf	1500Pa, 31psf	1350Pa, 28psf	1200Pa, 25psf	1050Pa, 22psf
1500mm, 59.06” in	1300Pa, 27psf	1100Pa, 23psf	950Pa, 20psf	800Pa, 17psf	730Pa, 15psf
1750mm, 68.90” in	800Pa, 17psf	800Pa, 17psf	650Pa, 14psf	550Pa, 11psf	500Pa, 10psf
2000mm, 78.74” in	630Pa, 13psf	600Pa, 13psf	480Pa, 10psf	400Pa, 8.4psf	360Pa, 7.5psf
2400mm, 94.49” in	630Pa, 13psf	400Pa, 8.4psf	300Pa, 6.3psf	250Pa 6.3psf	200Pa 4.2psf

Maximum negative (wind) load (2 sides simply supported)

	500Pa, 10psf	200Pa, 4.2psf	96Pa, 2.0psf	75Pa, 1.6psf	48Pa, 1.0psf

Load vs Purlin Space 6mm. 0.236” in, 1300 g/m², 0.26 lbs/ft²



Polygal Standard Sheet (PCSS)
8mm. 0.31” in., 1500 g/m², 0.31 lbs/ft²

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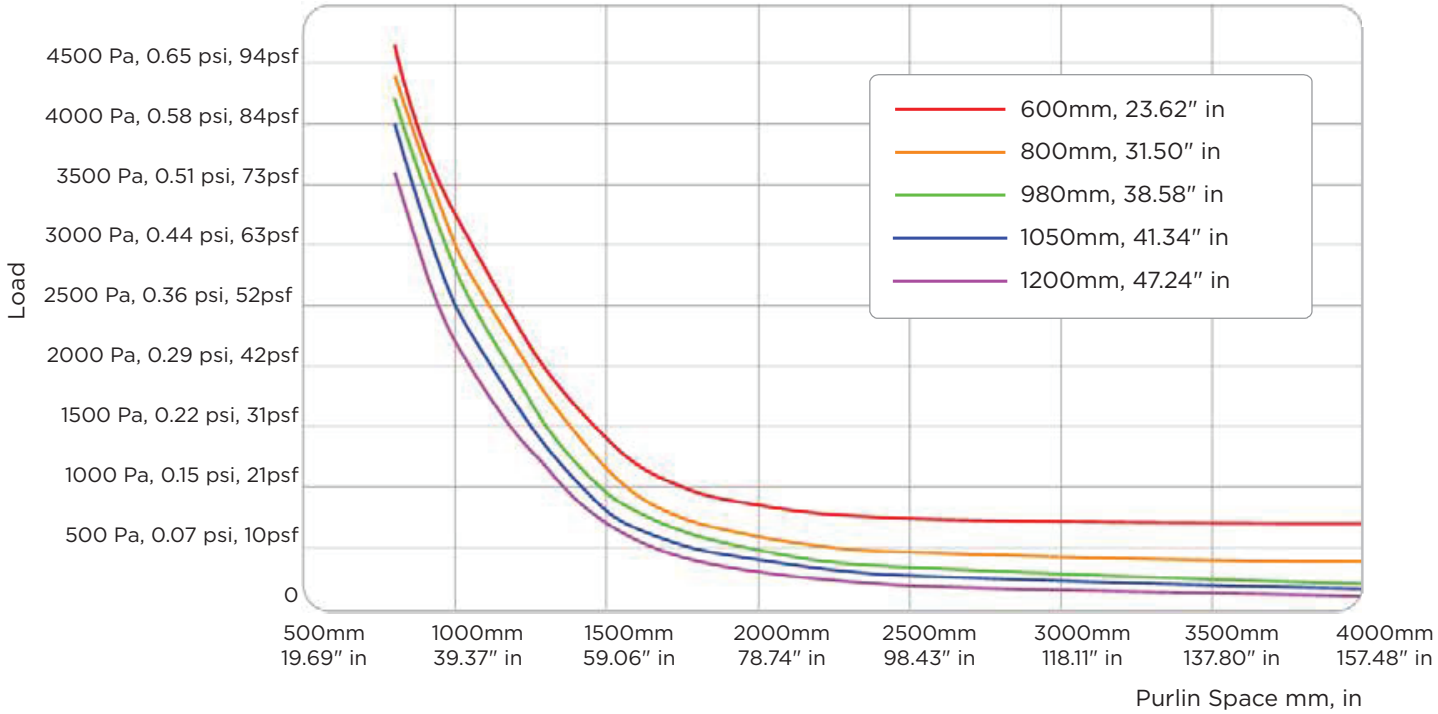
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
	600mm 23.62”	**800mm, 31.5”**	**980mm, 38.58”**	**1050mm, 41.34”**	**1200mm, 47.25”**
800mm, 31.50” in	4650Pa, 97psf	4400Pa, 92psf	4200Pa, 88psf	4000Pa, 84psf	3600Pa, 75psf
900mm, 35.43” in	3800Pa, 79psf	3700Pa, 77psf	3500Pa, 73psf	3200Ps, 67psf	2800Pa, 58psf
1000mm, 39.37” in	3250Pa, 68psf	3000Pa, 63psf	2800Pa, 58psf	2500Pa, 52psf	2200Pa, 46psf
1250mm, 49.21” in	2150Pa, 45psf	1950Pa, 41psf	1700Pa, 36pdf	1500Pa, 31psf	1300Pa, 27psf
1500mm, 59.06” in	1400Pa, 29psf	1150Pa, 24psf	950Pa, 20psf	800Pa, 17psf	700Pa, 15psf
1750mm, 68.90” in	1000Pa, 21psf	750Pa, 16psf	650Pa, 14psf	520Pa, 11psf	420Pa, 8.8psf
2000mm, 78.74” in	850Pa, 18psf	600Pa, 13psf	480Pa, 10psf	400Pa, 8.4psf	300Pa, 6.3psf
2400mm, 94.49” in	750Pa, 16psf	470Pa, 9.8psf	350Pa, 7.3psf	280Pa, 5.8psf	200Pa, 4.2psf

Maximum negative (wind) load (2 sides simply supported)

	700Pa, 15psf	385Pa, 7.6psf	200Pa, 4.2psf	160Pa, 3.3psf	100Pa, 2.1psf

Load vs Purlin Space PCSS 8mm. 0.31” in, 1500 g/m², 0.31 lbs/ft²



Polygal Standard Sheet (PCSS)
10mm. 0.39” in, 1700 g/m², 0.35 lbs/ft²

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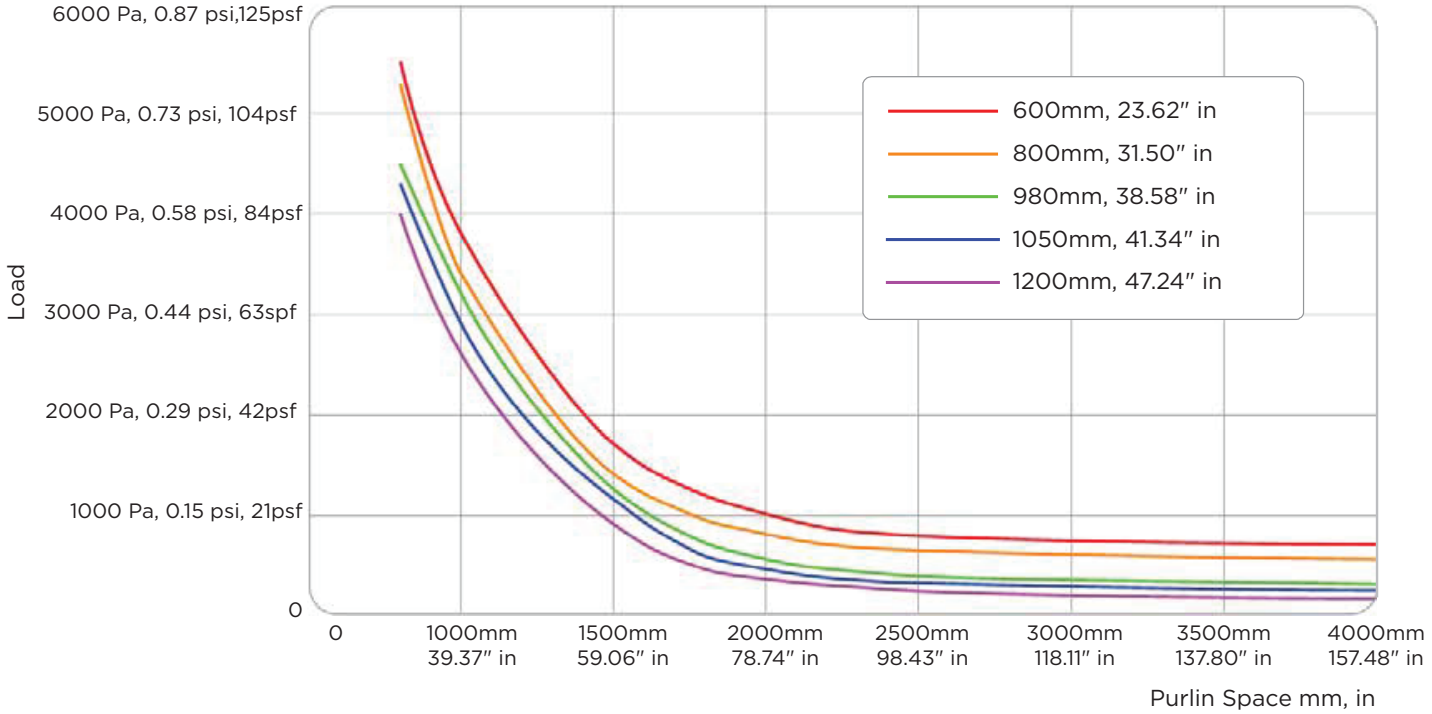
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
	600mm 23.62”	**800mm, 31.5”**	**980mm, 38.58”**	**1050mm, 41.34”**	**1200mm, 47.25”**
800mm, 31.50” in	5500Pa, 115psf	5300Pa, 111psf	4500Pa, 94psf	4300Pa, 90pdf	4000Pa, 84psf
900mm, 35.43” in	4500Pa, 94psf	4250Pa, 89psf	3800Pa, 79psf	3600Pa, 75psf	3250Pa, 68psf
1000mm, 39.37” in	3800Pa, 79psf	3400Pa, 71psf	3200Pa, 67psf	2900Pa, 61psf	2600Pa, 54psf
1250mm, 49.21” in	2600Pa, 54psf	2200Pa, 46psf	2050Pa, 43psf	1800Pa, 38psf	1500Pa, 31psf
1500mm, 59.06” in	1700Pa, 36psf	1400Pa, 29psf	1250Pa, 26psf	1150Pa, 24psf	900Pa, 19psf
1750mm, 68.90” in	1250Pa, 26psf	1000Pa, 21psf	780Pa, 16psf	650Pa, 14psf	500Pa, 10psf
2000mm, 78.74” in	1000Pa, 21psf	800Pa, 17psf	550Pa, 11psf	450Pa, 9.4psf	350Pa, 7.3psf
2400mm, 94.49” in	800Pa, 17psf	650Pa, 14psf	400Pa, 8.4psf	320Pa, 6.7psf	250Pa, 5.2psf

Maximum negative (wind) load (2 sides simply supported)

	700Pa, 15psf	550Pa, 11psf	300Pa, 6.3psf	240Pa, 5.0psf	160Pa, 3.3psf

Load vs Purlin Space PCSS 10mm. 0.39” in, 1700 g/m², 0.35 lbs/ft²



Polygal Standard Sheet (PCSS)
16mm. 0.63” in, 2700 g/m², 0.55 lbs/ft²

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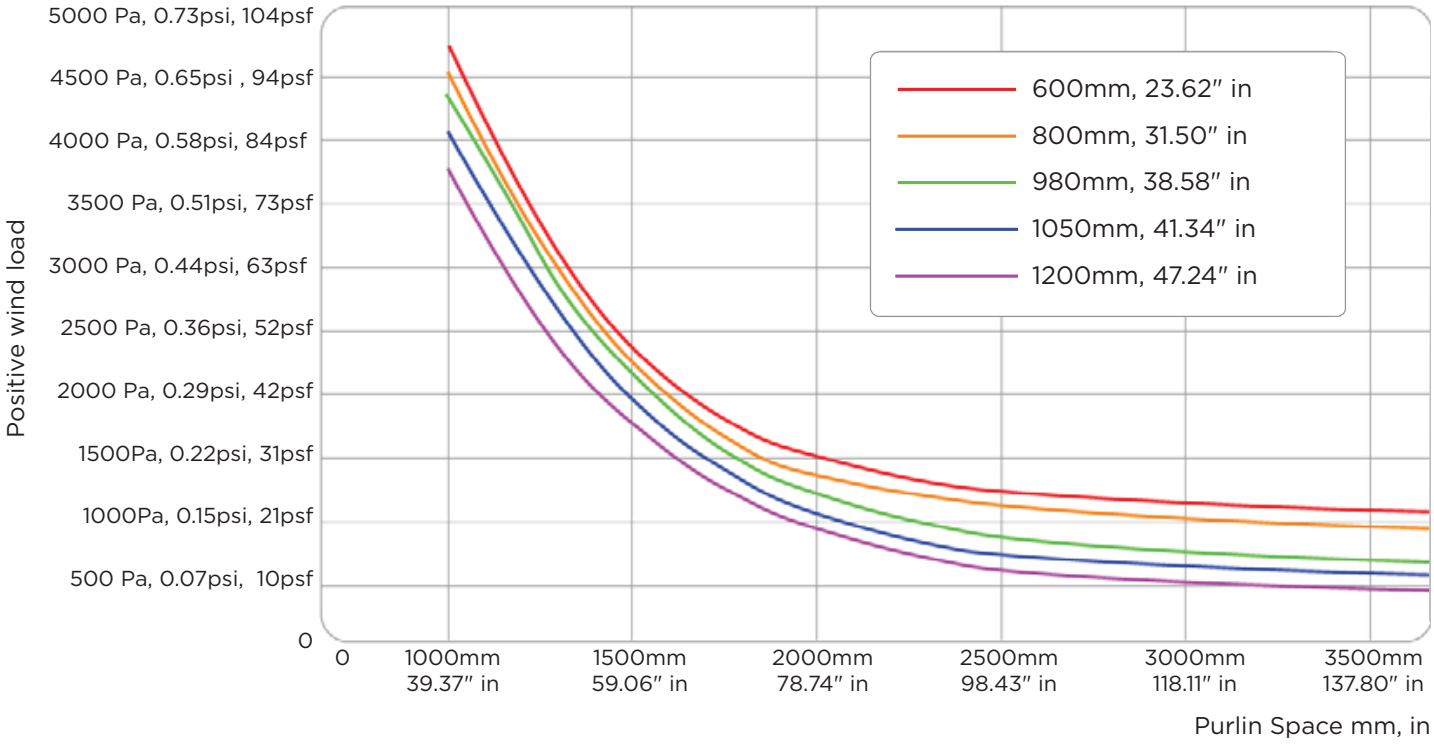
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
	600mm 23.62”	**800mm, 31.5”**	**980mm, 38.58”**	**1050mm, 41.34”**	**1200mm, 47.25”**
1000mm, 39.37” in	4700Pa, 98psf	4500Pa, 94psf	4300Pa, 90psf	4000Pa, 84psf	3700Pa, 77psf
1250mm, 49.21” in	3300Pa, 79psf	3100Pa, 65psf	3100Pa, 65psf	2800Pa, 58psf	2500Pa, 52psf
1500mm, 59.06” in	2300Pa, 48psf	2200Pa, 46psf	2100Pa, 44psf	1900Pa, 40psf	1700Pa, 36psf
1750mm, 68.90” in	1750Pa, 37psf	1600Pa, 33psf	1500Pa, 31psf	1350Pa, 28psf	1200Pa, 25psf
2000mm, 78.74” in	1450Pa, 30psf	1300Pa, 27psf	1150Pa, 24psf	1000Pa, 21psf	900Pa, 19psf
2400mm, 94.49” in	1200Pa, 25psf	1080Pa, 23psf	850Pa, 18psf	700Pa, 15psf	600Pa, 13psf

Maximum negative (wind) load (2 sides simply supported)

	1000Ps, 21psf	870Pa, 18psf	600Pa, 13psf	500Pa, 10psf	390Pa, 8.1psf

Load vs Purlin Space PCSS 16mm. 0.63” in, 2700 g/m², 0.55 lbs/ft²



Titan Sky (TSK)
10mm. 0.39” in, 1750 g/m², 0.36 lbs/ft²

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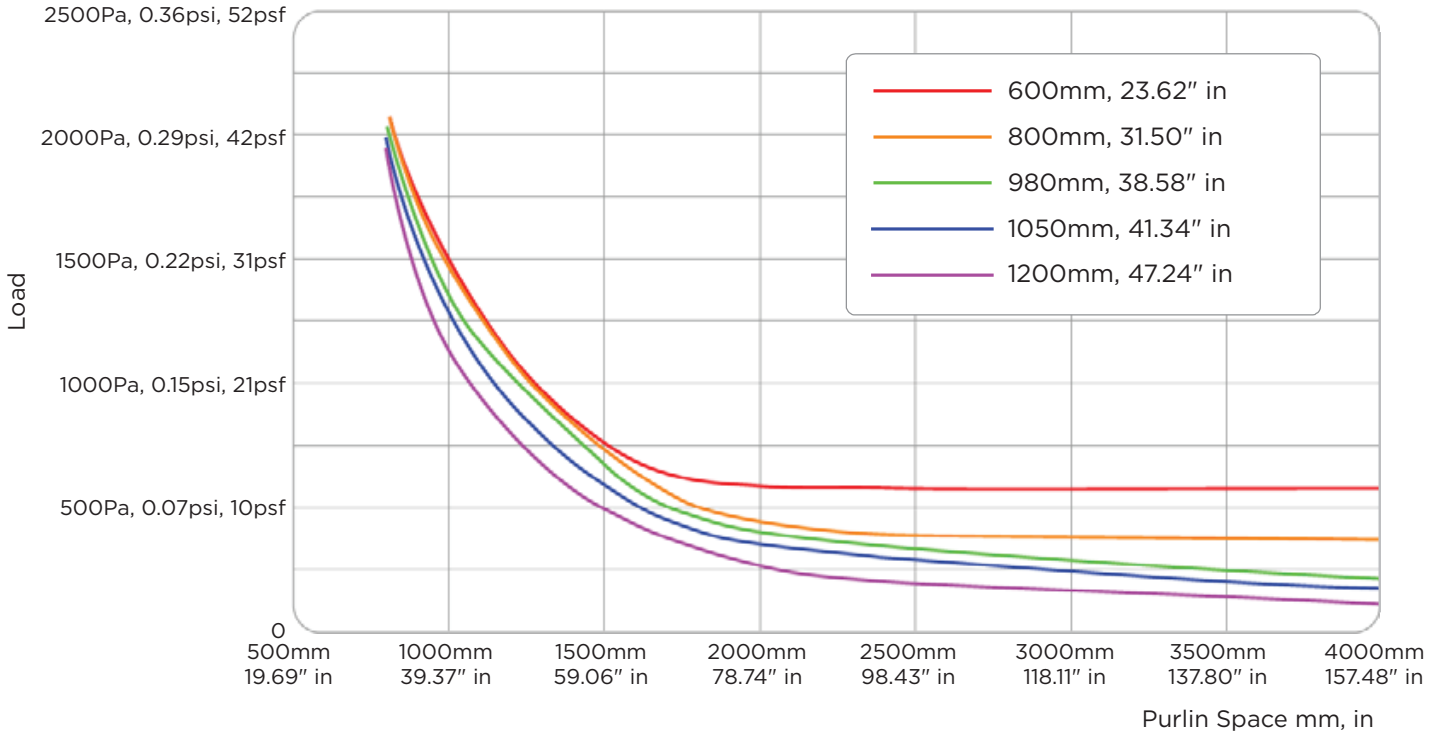
Titan Sky Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
	600mm 23.62”	800mm, 31.5”	980mm, 38.58”	1050mm, 41.34”	1200mm, 47.25”
800mm, 31.50” in	2070Pa, 43psf	2050Pa, 43psf	2030Pa, 42psf	2000Pa, 42psf	1950Pa, 41psf
900mm, 35.43” in	1650Pa, 34psf	1700Pa, 36psf	1650Pa, 34psf	1650Pa, 34psf	1500Pa, 31psf
1000mm, 39.37” in	1300Pa, 27psf	1400Pa, 29psf	1350Pa, 28psf	1250Pa 26psf	1150Pa, 24psf
1250mm, 49.21” in	900Pa, 19psf	980Pa, 20psf	930Pa, 19psf	850Pa, 18psf	740Pa, 15psf
1500mm, 59.06” in	700Pa, 15psf	670Pa, 14psf	640Pa, 13psf	590Pa, 12psf	490Pa, 10psf
1750mm, 68.90” in	630Pa, 13psf	500Pa, 10psf	470Pa, 9.8psf	430Pa, 9.0psf	350Pa, 7.3psf
2000mm, 78.74” in	600Pa, 13psf	420Pa, 8.8psf	390Pa, 8.1psf	360Pa, 7.5psf	270Pa, 5.6psf
2400mm, 94.49” in	580Pa, 12psf	370Pa, 7.7psf	330Pa, 6.9psf	300Pa, 6.3psf	200Pa, 4.2psf

Maximum negative (wind) load (2 sides simply supported)

	560Pa, 12psf	340Pa, 7.1psf	210Pa, 4.4psf	160Pa, 3.3psf	100Pa, 2.1psf

Load vs Purlin Space Titan Sky (TSK) 10mm. 0.39” in, 1750 g/m², 0.36 lbs/ft²



Titan Sky (TSK)
16mm. 0.63” in, 2500 g/m², 0.51 lbs/ft²

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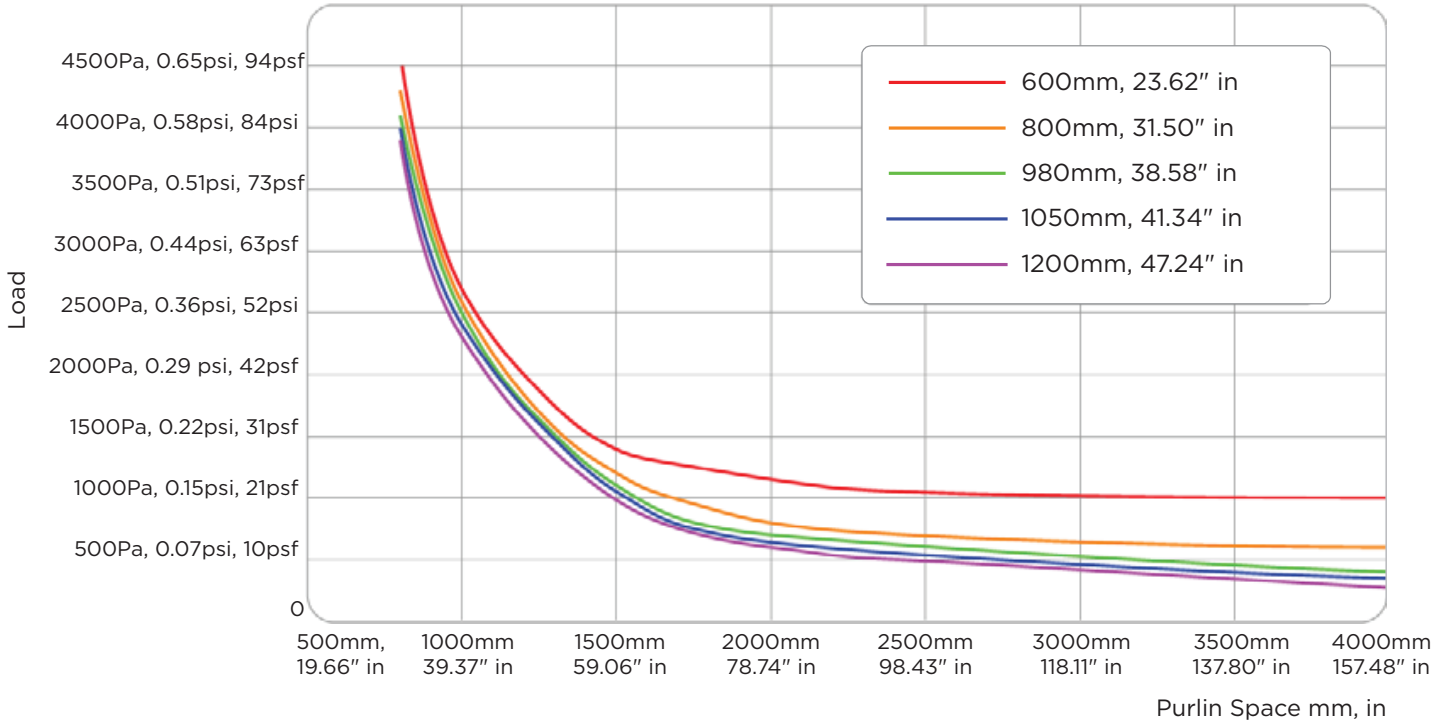
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
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800mm, 31.50” in	4500Pa, 94psf	4300Pa, 90psf	4100Pa, 86psf	4000Pa, 84psf	3900Pa, 81psf
900mm, 35.43” in	3250Pa, 68psf	3150Pa, 66psf	3000Pa, 63psf	2900Pa, 61psf	2800Pa, 58psf
1000mm, 39.37” in	2650Pa, 55psf	2580Pa, 54psf	2500Pa, 52psf	2400Pa, 50psf	2300Pa, 48psf
1250mm, 49.21” in	1850Pa, 39psf	1690Pa, 35psf	1650Pa, 34psf	1600Pa, 33psf	1500Pa, 31psf
1500mm, 59.06” in	1400Pa, 29psf	1200Pa, 25psf	1100Pa, 23psf	1050Pa, 22psf	1000Pa, 21psf
1750mm, 68.90” in	1250Pa, 26psf	950Pa, 20psf	800Pa, 17psf	750Pa, 16psf	700Pa, 15psf
2000mm, 78.74” in	1150Pa, 24psf	800Pa, 17psf	700Pa, 15psf	650Pa, 14psf	600Pa, 13psf
2400mm, 94.49” in	1050Pa, 22psf	700Pa, 15psf	600Pa, 13psf	550Pa, 11psf	500Pa, 10psf

Maximum negative (wind) load (2 sides simply supported)

	1000Pa, 21psf	600Pa, 13psf	400Pa, 8.4psf	350Pa, 7.3psf	270Pa, 5.6psf

Load vs Purlin Space Titan Sky (TSK) 16mm. 0.63” in, 2500 g/m², 0.51 lbs/ft²



Selectogal (RFX) STW
16mm. 0.63” in, 3000 g/m², 0.61 lbs/ft²

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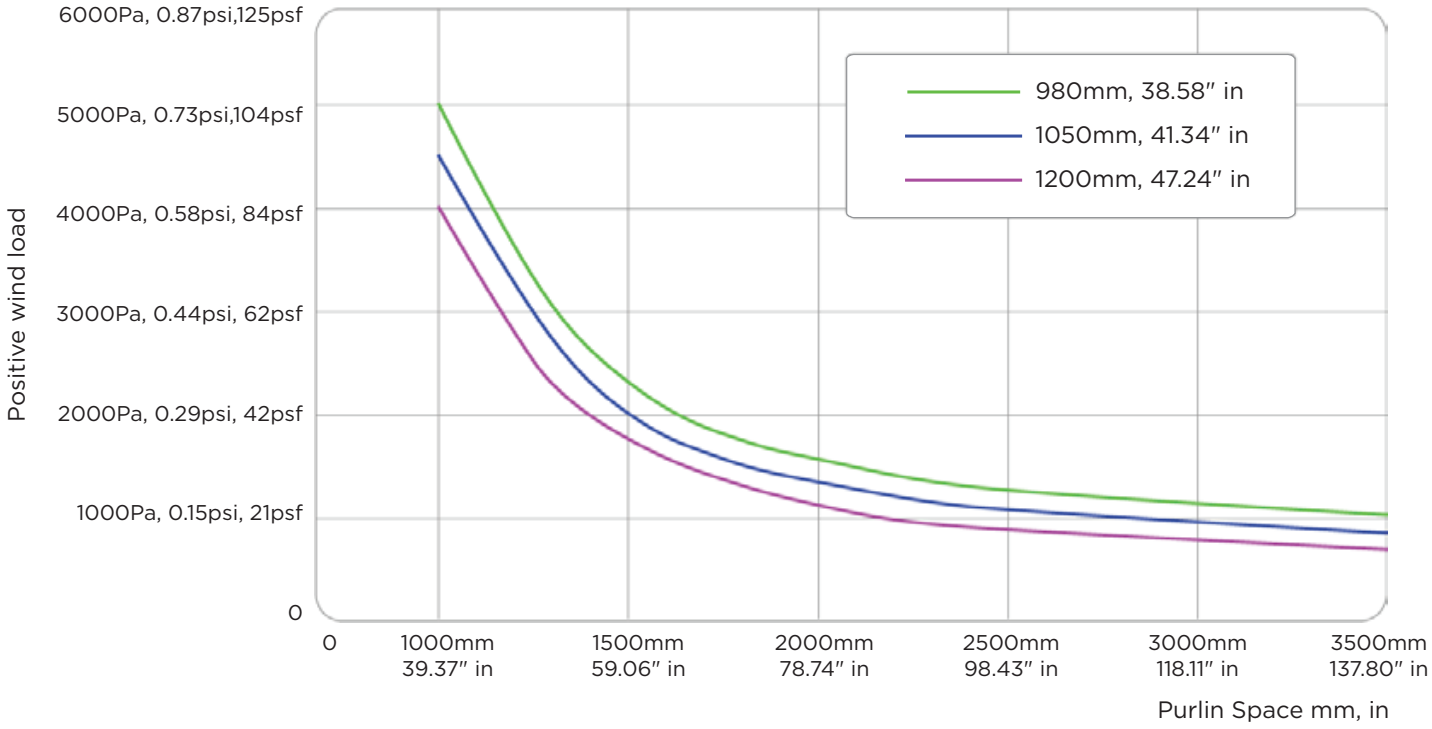
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)		
	980mm, 38.58”	**1050mm, 41.34”**	**1200mm, 47.25”**
1000mm, 39.37” in	5000Pa, 104psf	4500Pa, 94psf	4000Pa, 84psf
1250mm, 49.21” in	3300Pa, 60psf	2950Pa, 62psf	2500Pa, 52psf
1500mm, 59.06” in	2300Pa, 48psf	2000Pa, 42psf	1760Pa, 37psf
1750mm, 68.90” in	1800Pa, 38psf	1560Pa, 33psf	1350Pa, 28psf
2000mm, 78.74” in	1550Pa, 32psf	1350Pa, 28psf	1120Pa, 23psf
2400mm, 94.49” in	1300Pa, 27psf	1100Pa, 23psf	900Pa, 19psf

Maximum negative (wind) load (2 sides simply supported)

	900Pa, 19psf	750Pa, 16psf	600Pa, 13psf

Load vs Purlin Space Selectogal (RFX) STW 16mm, 0.63” in, 3000 g/m², 0.61 lbs/ft²



Thermogal (TRM)
25mm. 0.98” in, 3500 g/m², 0.72 lbs/ft²

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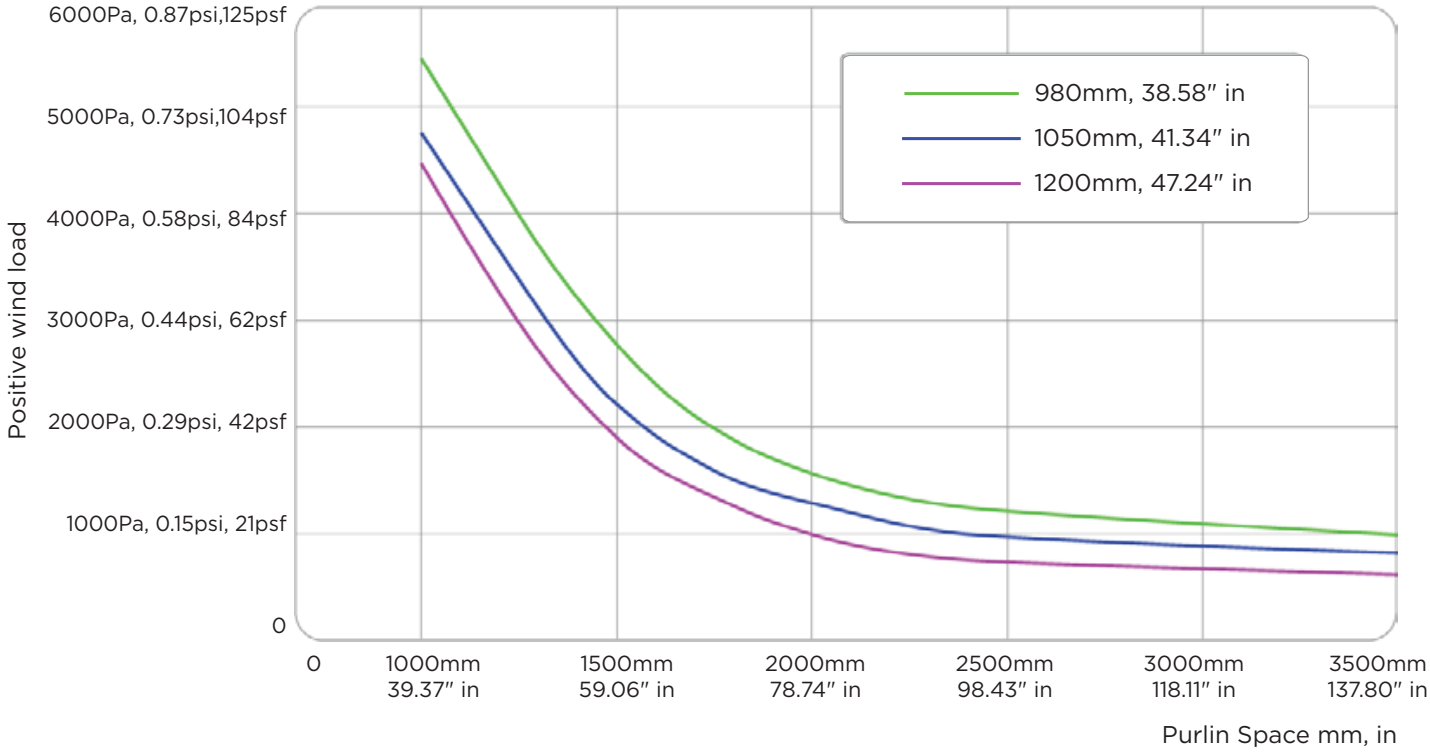
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)		
	980mm, 38.58”	**1050mm, 41.34”**	**1200mm, 47.25”**
1000mm, 39.37” in	5500Pa, 115psf	4800Pa, 100psf	4500Pa, 94psf
1250mm, 49.21” in	4000Pa, 84psf	3400Pa, 71psf	3000Pa, 63psf
1500mm, 59.06” in	2800Pa, 58psf	2200Pa, 46psf	1900Pa, 40psf
1750mm, 68.90” in	2000Pa, 42psf	1600Pa, 33psf	1350Pa, 28psf
2000mm, 78.74” in	1600Pa, 33psf	1300Pa, 27psf	1000Pa, 21psf
2400mm, 94.49” in	1250Pa, 26psf	1000Pa, 21psf	750Pa, 16psf

Maximum negative (wind) load (2 sides simply supported)

	880Pa, 17psf	700Pa, 15psf	550Pa, 11psf

Load vs Purlin Space Thermogal (TRM) 25mm. 0.98” in, 3500 g/m², 0.72 lbs/ft²



Thermogal (TRM)
32mm. 1.26” in, 3800 g/m², 0.78 lbs/ft²

PLASKOLITE

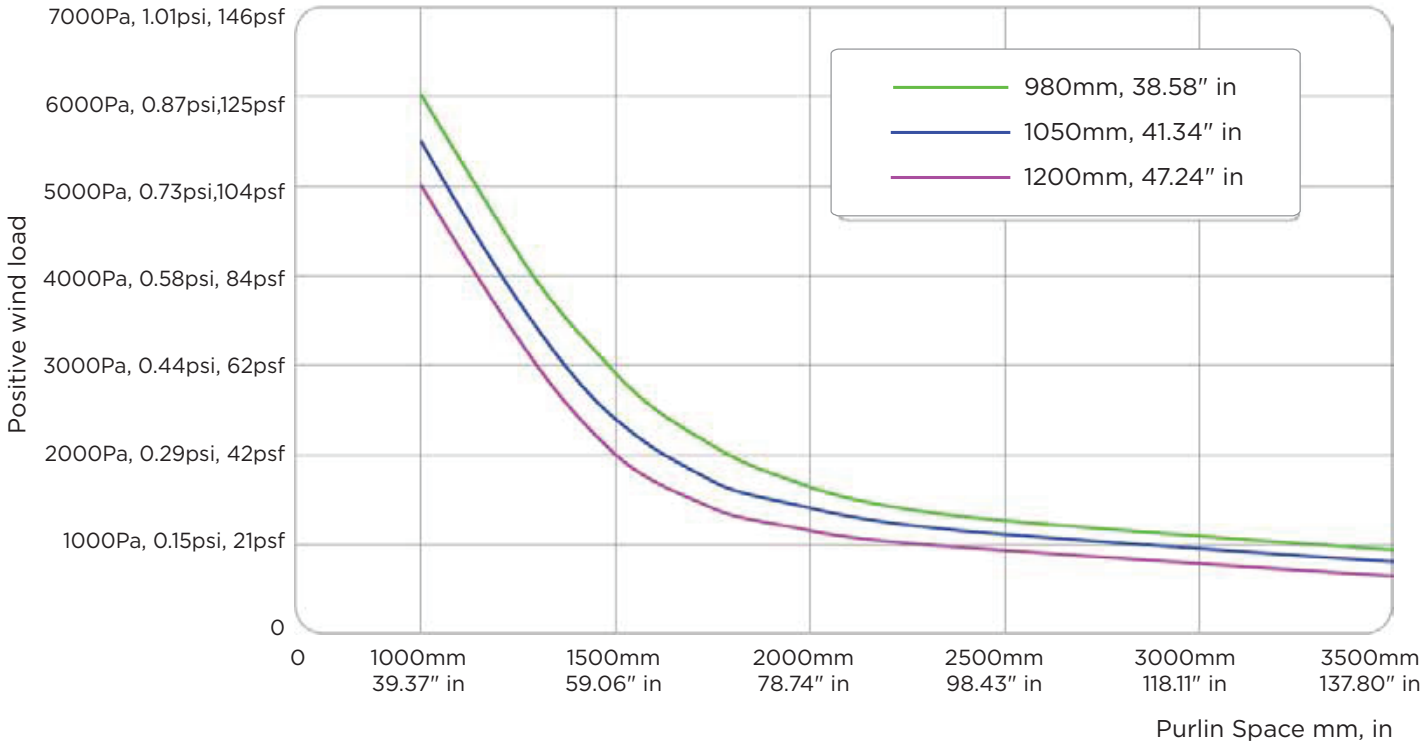
Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)		
	980mm, 38.58”	**1050mm, 41.34”**	**1200mm, 47.25”**
1000mm, 39.37” in	6000Pa, 125psf	5500Pa, 115psf	5000Pa, 104psf
1250mm, 49.21” in	4250Pa, 89psf	3700Pa, 77psf	3300Pa, 69psf
1500mm, 59.06” in	2900Pa, 61psf	2400Pa, 50psf	2000Pa, 42psf
1750mm, 68.90” in	2100Pa, 44psf	1700Pa, 36psf	1400Pa, 29psf
2000mm, 78.74” in	1650Pa, 34psf	1400Pa, 29psf	1150Pa, 24psf
2400mm, 94.49” in	1300Pa, 27psf	1140Pa, 24psf	950Pa, 20psf

Maximum negative (wind) load (2 sides simply supported)

	780Pa, 16psf	680Pa, 14psf	520Pa, 11psf

Load vs Purlin Space Thermogal (TRM) 32mm. 1.26” in, 3800 g/m², 0.78 lbs/ft²



Thermogal Super (TRMS)
32mm. 1.26” in, 3800 g/m², 0.78 lbs/ft²

PLASKOLITE

Positive Load (Pa) vs Purlin Space for various widths (f max=50mm. 1.97” in)

Purlin Space (mm, in)	Sheet Width Units (Pa, psf)				
	600mm 23.62”	**800mm, 31.5”**	**980mm, 38.58”**	**1050mm, 41.34”**	**1200mm, 47.25”**
1000mm, 39.37” in	4750Pa, 99psf	4500Pa, 94psf	4250Pa, 89psf	4200Pa, 88psf	4200Pa, 88psf
1250mm, 49.21” in	3250Pa, 68psf	2700Pa, 56psf	2500Pa, 52psf	2450Pa, 50psf	2200Pa, 46psf
1500mm, 59.06” in	2250Pa, 47psf	1700Pa, 34psf	1550Pa, 32psf	1475Pa, 31psf	1400Pa, 29psf
1750mm, 68.90” in	1950Pa, 41psf	1350Pa, 28psf	1200Pa, 25psf	1100Pa, 23psf	1000Pa, 21psf
2000mm, 78.74” in	1850Pa, 39psf	1200Pa, 25psf	1000a, 21psf	875Pa, 18psf	750Pa, 16psf
2400mm, 94.49” in	1800Pa, 38psf	1125Pa, 23psf	870Pa, 18psf	750Pa, 16psf	600Pa, 13psf

Maximum negative (wind) load (2 sides simply supported)

	1750Pa, 37psf	990Pa, 21psf	660Pa, 14psf	570Pa, 12psf	440Pa, 9.2psf

Load vs Purlin Space Thermogal Super (TRMS) 32mm. 1.26” in, 3800 g/m², 0.78 lbs/ft²

