

Product	Structure	Sheet thickness A (mm)	Standard width (mm)	Max. width (mm)	Rib spacing D (mm)	Weight (g/m <sup>2</sup> )	Light transmission% ASTM D1003		Minimum radius for cold bending arches (m)	U-Factor ASTM C177 TNO (Watt/m <sup>2</sup> ·°C)	Recommended use										
							Clear	Ice Bronze													
Polygal Standard		4	980	2100	5.7	800	82	Ice 32	0.70	3.9	For internal use only										
		6				1300	80		1.05	3.6											
		8	1050	11	1500	80	Bronze 42	1.40	3.3	Wide range of uses in pergolas and Omegal systems											
		10	1200		1700	79		1.75	3.0												
		16	1250	20	2700	72	NGL 35	2.80	2.3												
		2100	2800																		
Polygal Triple-Clear		10	1830	2100	20	1750	76	-	-		2.60	For agricultural use. Proprietary Anti-Fog coating, guaranteed for 10 years. High insulation High clarity									
Thermogal 25mm		25	980 1200 2100	<b>NEW</b> 2100	25	3500	55	NGL Opal Ice Bronze 20	4.37	1.70	For large span roofs										
Thermogal 32 mm		32	980	1250	25	3800	50	NGL 15** Opal 51** Bronze 16**	5.6	1.4	High rigidity High insulation Low pitch roofs										
Thermogal 35mm		35	1200									1230	4000	NGL 15** Opal 47** Bronze 14**	6.1	1.36					
Polygal Titan		10	980	<b>NEW</b> 2100	16	1700	62	NGL 25 Ice 32 Bronze 42	1.75	2.5	For high-stress environments requiring extra durability										
		16	1050	1200								2100	2700	62	2.80	2.2					
Polygal Selectogal		16	1050	1200	20	3000		Clear 34 *Bronze 21 Blue 23 Ngl 19	2.80	2.3	Reflects solar radiation, reducing heat load										
Polygal Primalite		<b>NEW</b> 8	980	2100	11	1500	1700	45*	1.40	3.3	Reduces heat load, by reflecting solar heat radiation										
		10	1050									1200	1220	1250	2100	1700	2000	1.75	3.0		
		16	980									1050	2100	20	2800	32*	2.80	2.3			
	Thermogal 25mm	25	980	1200	1220	25	3500	18*	4.37	1.76											
Thermogal 32 mm	<b>NEW</b> 32	980	1200	1220	25	3800	15*	5.60	1.4												
Polygal PolyShade		8	980	2100	11	1500	1700	-	18*	1.40	3.3	Wide range of applications									
		10	1050										1200	1220	1250	2100	1700	2000	1.40	1.75	3.0
		16	980										1050	2100	20	2700		2.80	2.3		
<b>NEW</b> Silhouette Gold Silhouette Pearl		8	980	2100	11	1500	1700	40	1.40	3.3	Reduces heat load, by reflecting solar heat radiation										
		Polygal Titan	16										1200	2100	16	2700	18	2.80	2.2		
		Thermogal 32 mm	32									980	1200	1220	25	3800	Pearl 45** Gold 43**	5.60	1.4		

Standard panel lengths: 3m, 4m, 6m.  
 Maximum panel length: in accordance with handling restrictions.  
 Thermal expansion: 2.5mm/m for clear and ice.  
 4.5mm/m for bronze.

Service temperature range: -40 to +120°C.

\*Visible transmission according to multi-layer model of Window 4.1 from LBNL

\*\*ASTM D-1494

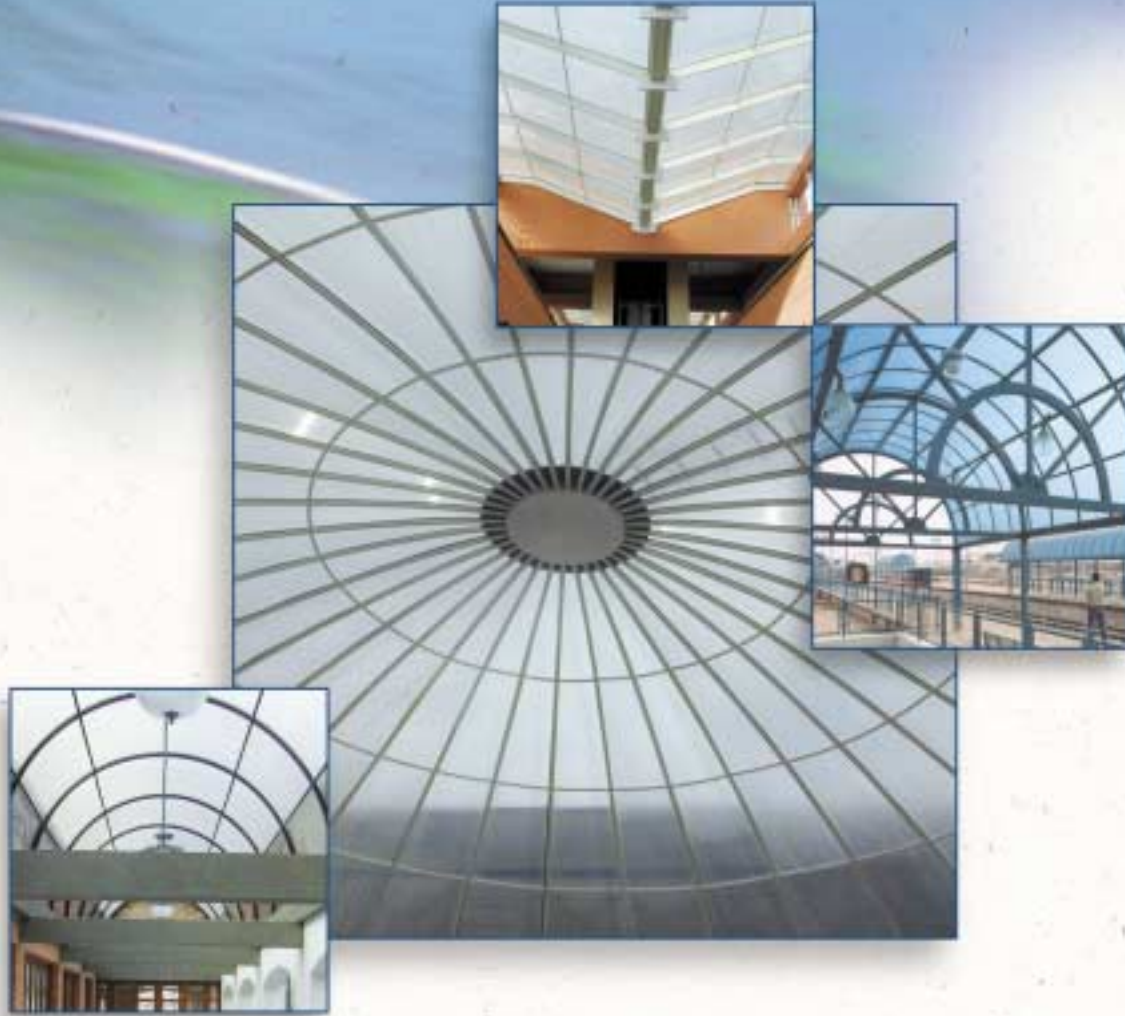
Distributed by:



**POLYGAL Inc.**  
 P.O. Box 410592  
 Charlotte, NC 28241  
 USA  
 E-mail: [usasales@polygal.com](mailto:usasales@polygal.com)  
 Web site: [www.polygal.com](http://www.polygal.com)

**POLYGAL Plastics Industries Ltd.**  
 Ramat Hashofet 19238 Israel  
 Tél: 972-4-959 6222  
 Fax: 972-4-959 6284  
 E-mail: [sales@polygal.co.il](mailto:sales@polygal.co.il)  
 Site : [www.polygal.com](http://www.polygal.com)

**Technical Support**  
 Tel: 972-4-959 6220  
 Fax: 972-4-959 6235  
 E-mail: [techsupport@polygal.com](mailto:techsupport@polygal.com)



## POLYGAL PANELS

### Turning an Idea into Reality

Polygal panels for any building, for any of your designs

As an architect, you design and create a different and more beautiful reality in order to satisfy requirements and demand.

Polygal produces a line of panels that provide you with a broad range of excellent solutions for uses such as roofing and covering buildings, skylights, covering swimming pools and glazing.

Polygal panels, used by architects worldwide, are light, unbreakable and easy to install. They enable controlled penetration of light and heat, while preventing the penetration of solar radiation. Polygal's R&D department is constantly developing and improving its products in accordance with various market and customer requirements. Assistance and service are available at all times.

**Polygal Standard** Double and triple layered, manufactured in various colors and degrees of transparency, it is designed for use in most conventional roofing and glazing applications.

**Polygal Titan** Particularly suited to extremely hot regions. Provides a solution in places where others fail.

**Polygal Thermogal 25, 32, 35 mm** Unique inner x-brace structure provides extra-strength, rigidity and outstanding insulation. Available in different thicknesses, widths and colors. Ideal for low-pitched roofs and for glazing in closed structures with large-span openings.

**Polygal Selectogal** An exclusive Polygal patent that enables the controlled penetration of heat and the transmission of pleasant daylight into buildings, while reducing heating and lighting costs.

**Polygal Primalite** Novel sheet selectively reflects a large portion of the Near Infra-Red solar radiation, while transmitting more of the visible light radiation.

**Polygal PolyShade** Designed for warm climates, PolyShade Polycarbonate structural glazing sheets effectively reflect sunlight and prevent excess heat build-up.

**Glazing Systems** 6-25 and Omegal Glazing systems that includes both construction and edge finishing aluminium profiles, as well as various screws and EPDM gaskets which are designed for panel glazing at the level of safety and structural required for roofing applications.