



BRINGS NATURE IN

# Aluminium Systems

## General information

### Screw Attachment

The base profile is designed so that the load is transferred by special geometric extensions which facilitate easy installation and prevent screwhead strain during attachment. Therefore, make sure to use only Polygal recommended screws in distances not more than 250 mm.

### Profile Bending

The aluminium profiles can be bent using a bending machine or manually, using a steel bending guide. Make sure to use only profiles with appropriate radius and shape which do not contain loads contrary to their line of installation.

### Gaskets

The use of original Polygal gaskets is required. These gaskets are manufactured from materials which do not damage the Polycarbonate panels. The gaskets contain 4 "legs" to prevent dust and water penetration, and are installed with the "legs" facing outward. The gaskets should be installed in the workshop using a suitable roller.

### Professional Guidance, Information and Construction Responsibility

- The system 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 standards required for roofing applications.
- Polygal assumes that roofing contractors are expert and skilled in their field in general, and with regard to construction and roofing in particular. Therefore, the full responsibility for the installation of panels, the proper attachment between the panels themselves and between the panels and parts of the structure, as well as the full support of the panels against natural forces and standard building loads remains with the roofing.
- Polygal is pleased to offer its customers professional guidance regarding installation as well as additional information, whenever possible.

Хаору ПЗМ Котор

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Distributed by:



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**Mega-Lock Glazing System** is specially designed for use in glazing with 6 - 16 polycarbonate multi wall sheets in urban applications such as covered walkways, entrance-ways, parking spaces, bus stations and other similar applications. Mega-Lock Glazing System has a rabbit depth of 25 mm (1") which enhances its fastening properties and prevents glazing failures due to wind and snow loads or thermal expansion.

**Polygal 6-35 Glazing System** is a large-span clamping system specially developed for glazing applications using 25-35 mm thick Polycarbonate structured sheets. Sheets are mounted on the system's load-bearing elements during construction of transparent and semi-transparent roofing. The system's large rabbit depth (30mm-13/16" - overlap) makes sheets fastening easier, and helps prevent glazing failures due to wind and snow loads or thermal expansion.

## Polygal Aluminium Systems

Polygal Aluminium Profile (dimensions in mm)	Cat. No.	Function	Sheet Thickness
	306	6-35 Cap profile	25-35 mm
	307	6-35 Base profile	25-35 mm
	308	Screw cover profile	6-35 mm
	309	6-35 Spacer profile	25-35 mm
	310	6-35 Purlin profile	25-35 mm
	352	Mega-Lock AGS Pressure Profile	6-16 mm
	353	Mega-Lock AGS Base profile	6-16 mm
	335	6-16 Cap profile	8-16 mm
	336	6-16 Base profile	8-16 mm
	301	APC Base profile	8-16 mm

Polygal Aluminium Profile (dimensions in mm)	Cat. No.	Function	Sheet Thickness
	327	UA Edge profile	6 mm
	311	UA Edge profile	8 mm
	312	UA Edge profile	10 mm
	313	UA Edge profile	16 mm
	314	UA Edge profile	25 mm
	320	UA Edge profile	32 mm
	321	UA Edge profile	35 mm
	318	TCP Side profile	16 mm
	319	TCP Edge profile	16 mm
	324	TCP Base profile	16 mm

Standard length of profile - 6m (19').  
For different length please contact your nearest Polygal office.  
Profile dimensions can be change by Polygal without prior notice.

Polygal is the leading manufacturer of structured Polycarbonate panels, and is known throughout the world for the outstanding quality of its products. Polygal was the first manufacturer in the world to create structured Polycarbonate panels, and over the last 30 years has developed and produced a broad spectrum of these products, which are successfully covering a full array of structures worldwide.



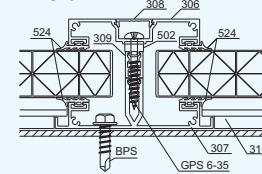
## Polygal Accessories

Screws	Function	Cat. No.	Suitable for sheet thickness
	(BPS) Base profile anchoring screw (1 1/4")	412	All thickness
	Connection to metal constructions	421	
	(PSS) Polygal sheet anchoring screw (2")	400	8-16 mm
	Connection to wood constructions	422	
	Glazing profiles connection screw (GPS Mega-Lock)	430	6-10 mm
		431	16 mm
	Glazing profiles connection screw (GPS 6-16)	441	8 mm
		442	10 mm
		443	16 mm
	Glazing profiles connection screw (GPS 6-35)	428	25 mm
		429	32-35 mm
	(ETC) Self drilling screw	424	All thickness

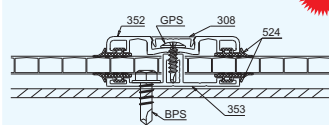
Seals	Cat. No.	Seals	Function	Cat. No.	Suitable for sheet thickness
Fixing Button	505		EPDM spacer	502	25 mm
	080			503	32-35 mm
EPDM + INOX fixing dome	474		EPDM gasket	524	All thickness
				481	8-10 mm
POLYGAL Silicon	507		Connection edge trim (ETR)	482	16 mm
				483	25 mm
				485	32-35 mm

Sealing tapes	Cat. No.	Width		Suitable for Sheet thickness		Description	Standard length of Rolls	
		mm	inch	mm	inch		m	ft
	508	25	1"	8	5/16"	Antidust Tape (AST)	33	108'
	509	38	1 1/2"	10,16	3/8", 5/8"			
	510	50	2"	25	1"			
	512	25	1"	8	5/16"	Solid Tape (SST)	50	164'
	513	38	1 1/2"	10,16	3/8", 5/8"			
	514	50	2"	25	1"			

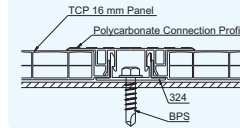
### 6-35 Glazing System



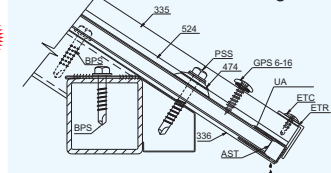
### Mega-Lock Glazing System



### Triple-Clip Panel System



### Edge Detail



The information in this brochure is intended for technical service and information purposes only. Polygal has undertaken to ensure that the information presented is accurate and reliable. Polygal and its representatives shall not be responsible for damage resulting from the use or installation of its products by roofing contractors or other persons.