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.

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.

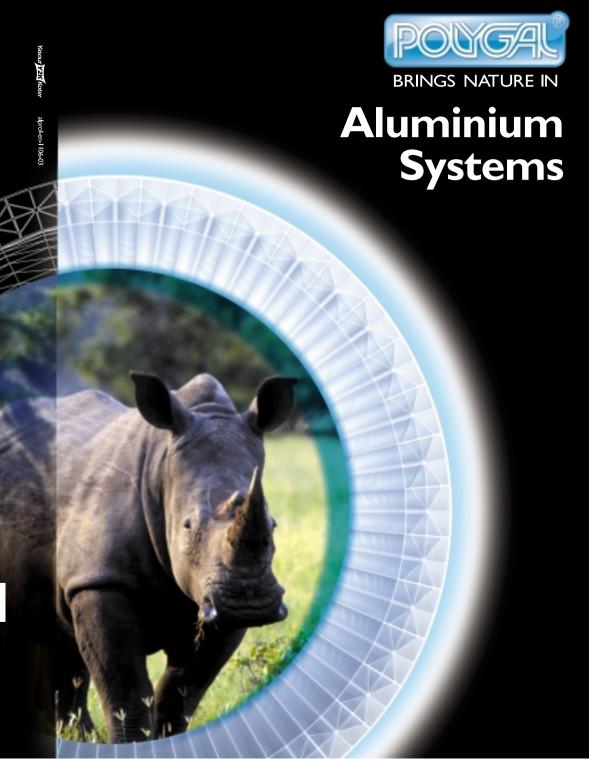
• Polygal assumes that roofing contractors are expert and skilled in their field in general, and with regard to construction and roofing in particular. Therefore, the full responsibility for the installation of panels, the proper attachment between the panels themselves and between the panels and parts 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.



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Polygal 6-16 Glazing System is specially designed for use in glazing with 6-16 mm Polycarbonate structured sheets, in urban applications such as covered walkways, entrance-ways, parking spaces, bus stations and other, similar applications.

The 6-16 mm Glazing System has a rabbet depth of 20mm (3/4") 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 8-35 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 rabbet 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.		Sheet Thickness
70.0	306	6-35 Cap profile	8-35 mm
27.0	307	6-35 Base profile	8-35 mm
₹ 19.3 ↑ 4.5	308	6-35 Screw cover profile	8-35 mm
16.6 → 9.5 ←	309	6-35 Spacer profile	8-35 mm
16.5	310	6-35 Purlin profile	8-35 mm
69.0	318	TCP Side profile	16 mm
51.0	319	TCP Edge profile	I6 mm
39.0	324	TCP Base profile	I6 mm
[2] 12.0 60.0	335	6-16 Cap profile	8-16 mm
60.0	336	6-16 Base profile	8-16 mm
20.0	301	HCP Base profile	8-16 mm

Polygal Aluminium Profile (dimensions in mm)	Cat. No.	Function	Sheet Thickness
8.0	327	UA Edge profile	6 mm
11.0	311	UA Edge profile	8 mm
31.5	312	UA Edge profile	I0 mm
19.0	313	UA Edge profile	I6 mm
28.0	314	UA Edge profile	25 mm
35.0	320	UA Edge profile	32 mm
31.5	321	UA Edge profile	35 mm

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





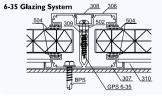


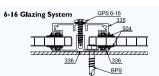
Polygal Accessories

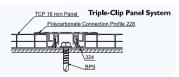
	Function			Suitable for sheet thickness	
d ums	(BPS) Base profile	Connection to metal constructions	412	All thickness	
	anchoring screw (II/4")	Connection to wood constructions	42 I		
d-mmm	(PSS) Polygal sheet anchoring screw (2")	Connection to metal constructions	400	0.14	
	anchoring screw (2")	Connection to wood constructions	422	0-10 111111	
J um>			44 I	8 mm	
	Glazing profiles connection screw (GPS 6-16)		442	I0 mm	
		(313 0-10)	443	I 6 mm	
			425 8 mm		
Inno-	Glazing p	ofiles connection screw	426	All thickness 8-16 mm 8 mm 10 mm 16 mm	
		(GPS 6-35)	427		
			428	25 mm	
			429	32-35 mm	
	(ETC) Se	If drilling screw	424	All thickness	

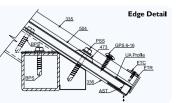
Seals	Cat. No.	Seals	Function	Cat. No.	Suitable for sheet thickness	
Fixing Button		æ		501	8-10 mm	
•	505 080	<u> </u>	EPDM spaser	502	I6 mm	
EPDM + INOX fixing dome		re-		503	25 mm	
473	L.	EPDM gasket	504	All thickness		
POLYGAL Silicon		п			8-10 mm	
FONGER 6			Connection		I6 mm	
	507		edge trim	483	25 mm	
			(ETR)	485	32-35 mm	

Sealing tapes Cat. No	Cat No	Width		Suitable for Sheet thickness		- Description	Standard length of Rolls	
						Description		
	508	25	1"	8	5/16"	Antidust Tape (AST)		
(80)	509	38	11/2"	10,16	3/8", 5/8"		33	108,
(i)	510	50	2"	25	l"			
\sim	512	25	1"	8	5/16"			
(0) 513	38	11/2"	10,16	3/8", 5/8"	Solid Tape (SST)	50	164'	
	514	50	2"	25	I"	, ,		









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.