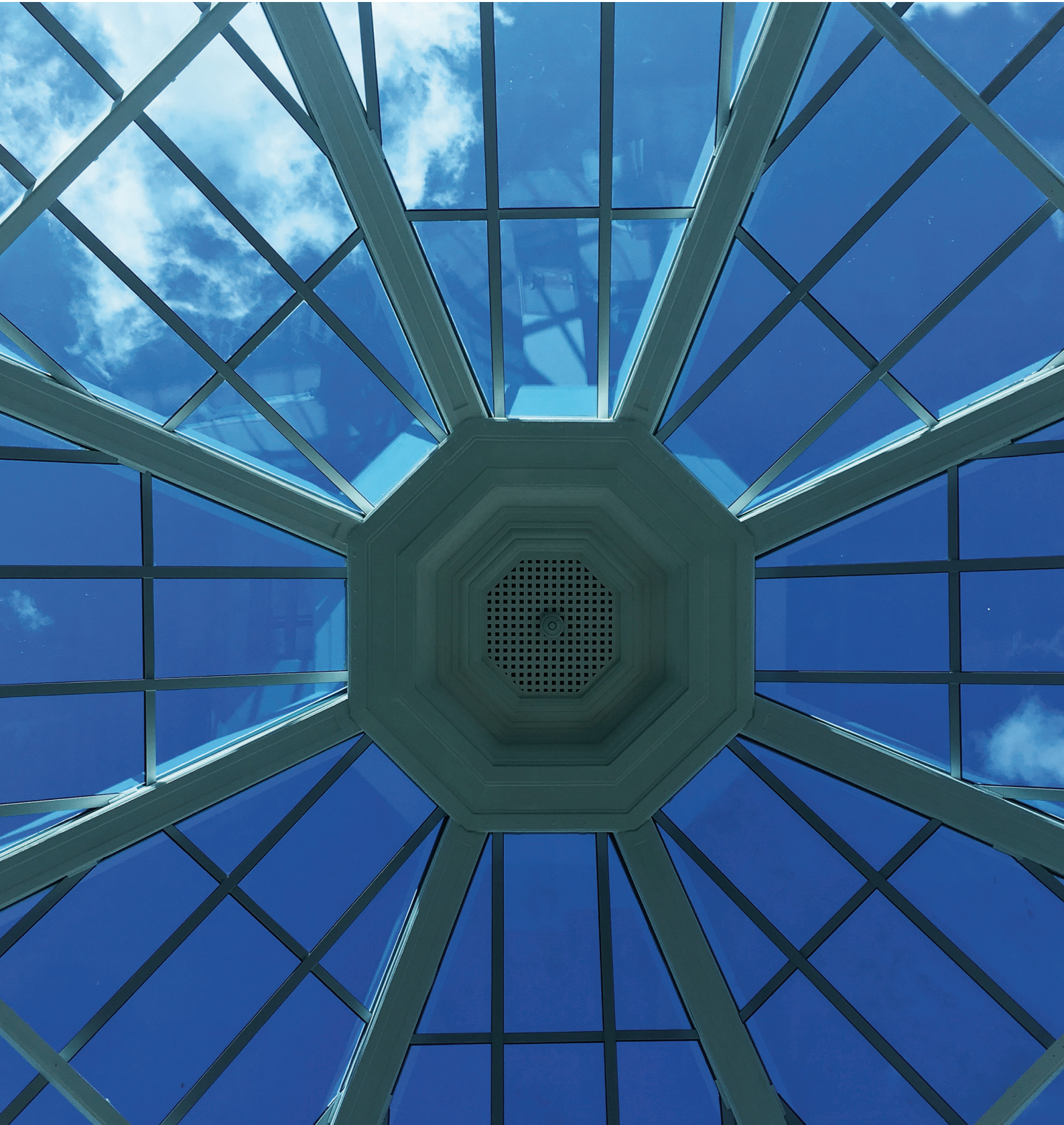


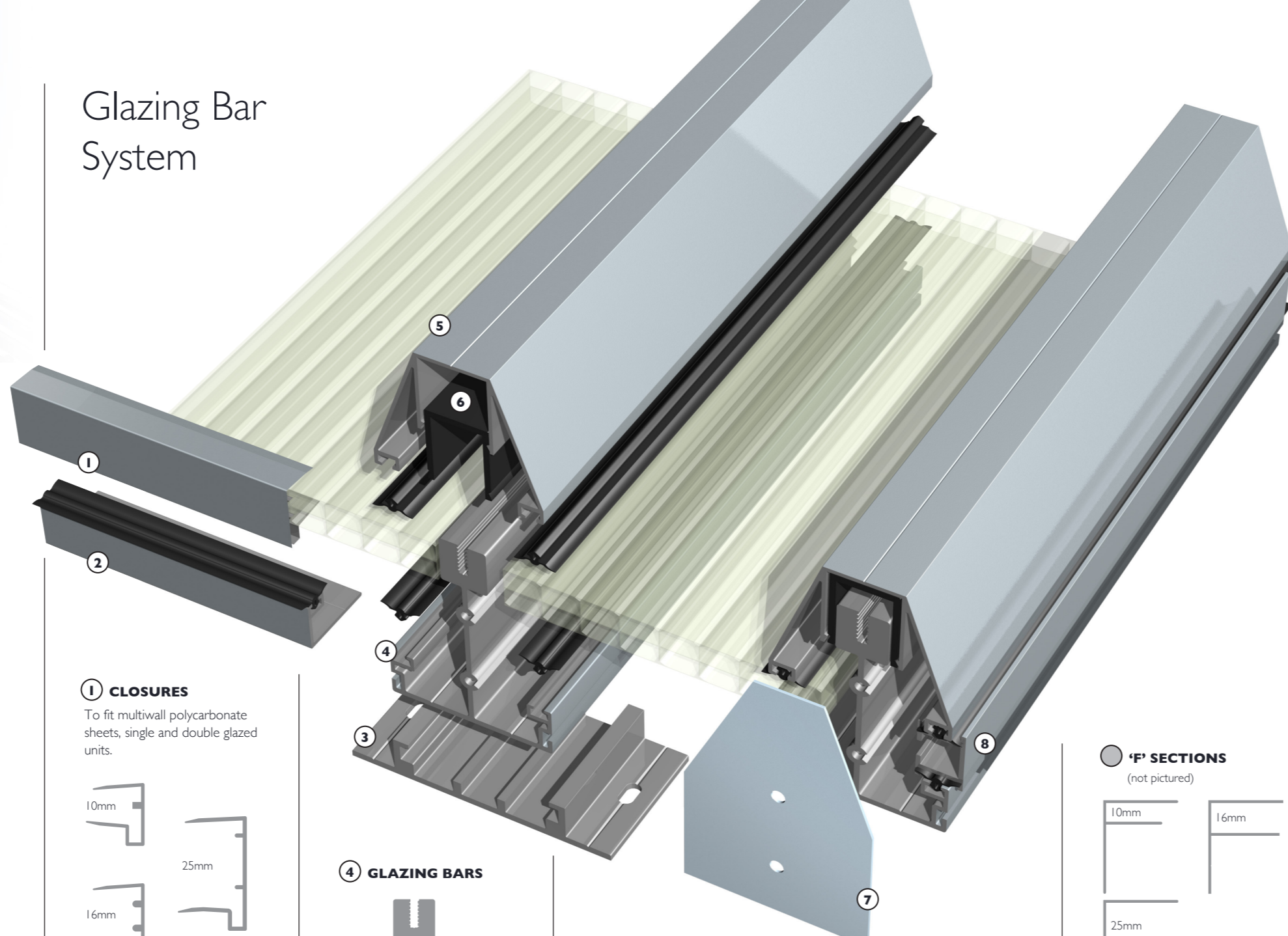


Glazing Bar System





Glazing Bar System



Designed to meet the requirements of the commercial and light industrial sectors, our glazing bar system can be used with multi-wall polycarbonate sheets, 6mm single glazed units and double glazed units.

The range of sections offers the designer the flexibility to select the right glazing bar for the application. The choice of standard or heavy duty glazing bars ensures that the section used is both strong enough for the application and competitively priced.

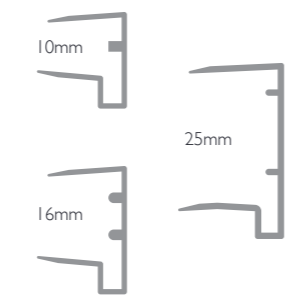
Caps are available to suit all glazing bars with both standard and thermally broken options. This offers the designer the choice of style to suit specific applications.

The glazing bar can be fixed directly through the base to the main supports of the structure, or alternatively brackets can be used to leave the glazing bar channels free for drainage.

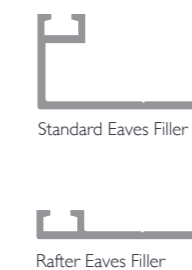
All glazing bars and caps are stocked in a variety of lengths and finishes.



1 CLOSURES
To fit multiwall polycarbonate sheets, single and double glazed units.



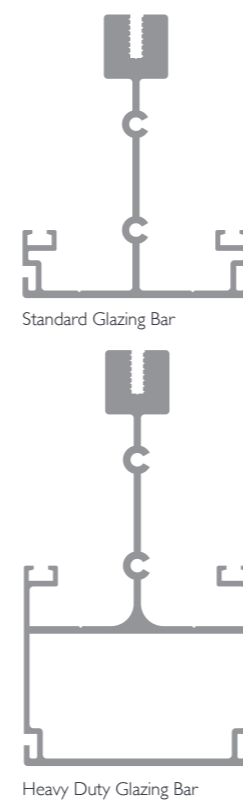
2 EAVES FILLERS



3 FIXING BRACKET



4 GLAZING BARS



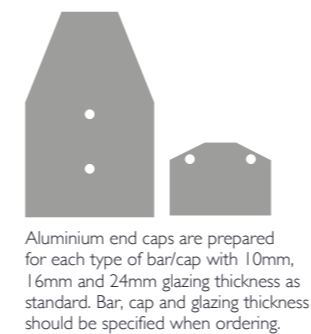
5 GLAZING BAR CAPS



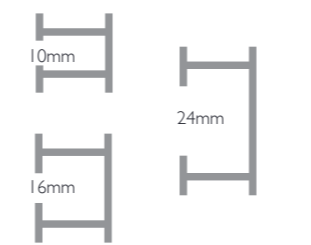
6 THERMAL INSULATOR



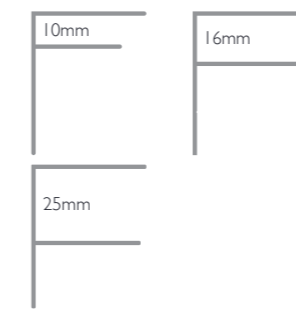
7 END CAPS



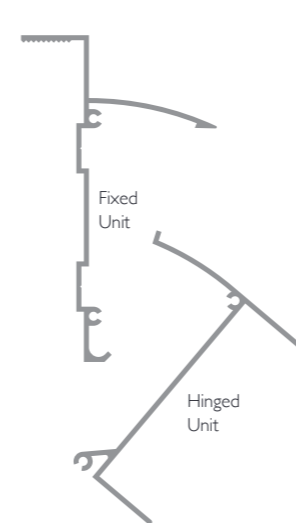
8 END FILLERS



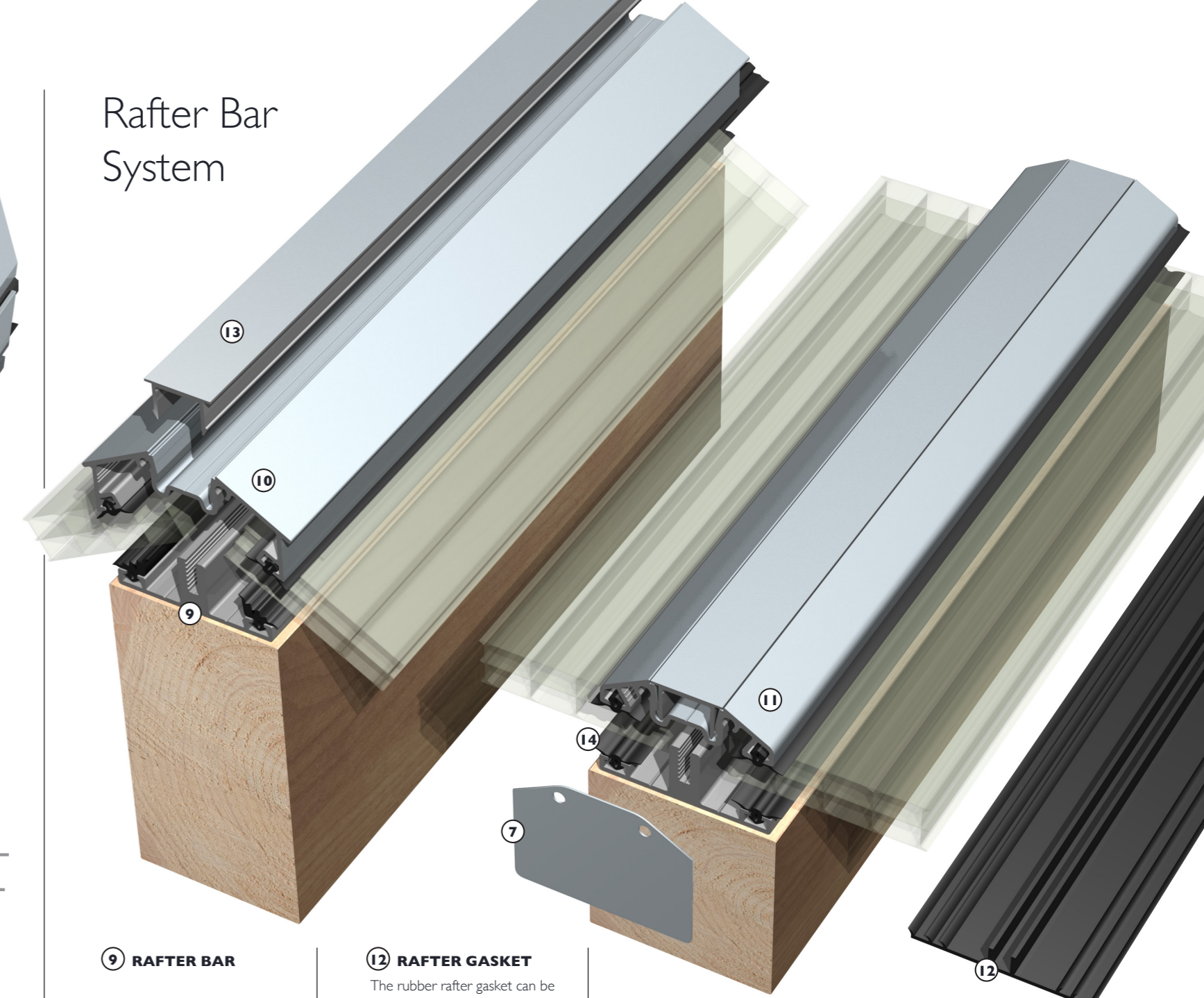
'F' SECTIONS
(not pictured)



WALL PLATES
(not pictured)



Rafter Bar System



9 RAFTER BAR



10 RAFTER HIP CAP



11 RAFTER CAP



12 RAFTER GASKET

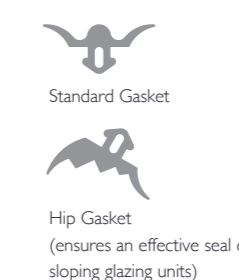
The rubber rafter gasket can be used in place of the rafter bar (9) on timber rafters.



13 CAP SCREW COVER



14 RUBBER GASKETS



The inexpensive rafter glazing bar can be used on timber framed structures.

Designed to fit standard 50mm wide timber, the cap can be used with either an aluminium base or the rubber rafter gasket. Both combinations are suitable for use with 6mm glass, multi-wall polycarbonate sheet and double glazed units. Acute angles can be accommodated by using the hip cap and gasket to ensure an effective seal on the sheet.

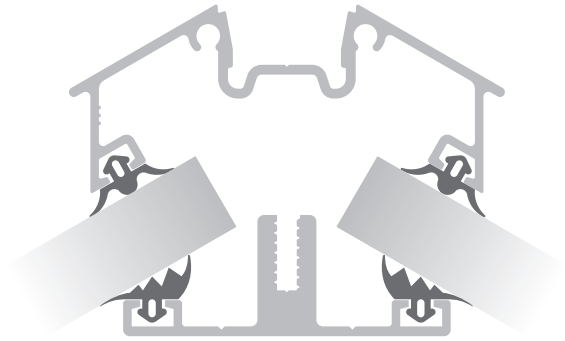
All sections are stocked in a range of standard lengths and finishes.



GASKETS

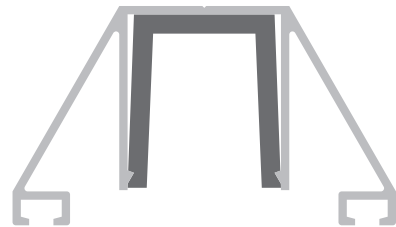
The gaskets are designed to ensure the sheet is sealed even when glazed at an angle. The standard gasket will satisfy the majority of situations but the hip gasket should be used when the angle is more acute.

The gaskets are produced from TPR rubber which is compatible with all polycarbonate, acrylic and PVC sheet.



THERMAL EFFICIENCY

A thermal barrier can be created by clipping the PVC-U profile into the caps to form an insulator between the aluminium sections.



ACCESSORIES



A full range of accessories is available to complement the glazing bar system. This includes aluminium closure sections for multi-wall plastic sheet, eaves fillers, adjustable wallplates, and stainless steel screws. End plates are stocked to suit all glazing bars and sheet thicknesses.



TECHNICAL SPECIFICATION

Application	Commercial and light industrial buildings				
Roof Pitch	A pitch of less than 15° is considered as 'flat' and is not suitable for this type of roof glazing system.				
Materials	Aluminium profiles are extruded from alloy 6060/6063 T6.				
Finishes	Mill finish or colours on request. Polyester powder coat paint. See separate list for standard colour range available.				
			Length (mm)		
Glazing Bars	KAS 102	Standard duty glazing bar	6000	5000	4000
	KAS 112	Thermally insulated cap	6000	5000	4000
	KAS 120	Shallow thermally insulated cap	6100	5100	4100
	KAS 103	Heavy duty glazing bar	6000	6000	6000
Concealed Fixings Rafter Glazing Bar	KAS 140	Screw cover	6100	5100	4100
	KAS 141	Rafter cap	6100	5100	4100
	KAS 142	Rafter hip cap	6100	5100	4100
	KAS 104	Rafter bar	6100	5100	4100
End Fillers	KAS 122	10mm End filler		5100	
	KAS 123	16mm End filler	6100	5100	4100
	KAS 124	24mm End filler	6100	5100	4100
F Sections	KAS 127	10mm 'F' section	6100	5100	4100
	KAS 128	16mm 'F' section	6100	5100	4100
	KAS 129	25mm 'F' section	6100	5100	4100
Closures	KAS 125	10mm closure	6100	5100	4300
	KAS 126	16mm closure	6100	5100	4300
	KAS 130	25mm closure	6100	5100	4300
Eaves Fillers	KAS 131	Eaves filler (standard and light duty bars)	6100	5100	4100
	KAS 132	Eaves filler (rafter bars)	6100	5100	4100
Wall Plates	KAS 136	Wall plate (fixed part)	6000	5000	4000
	KAS 137	Wall plate (hinge part)	6000	5000	4000
Fixing Brackets and End Caps	KAS 139	Fixing bracket		5000	
	KAS 139C	Fixing bracket cut/drilled 50mm long			
	KAS1381.24	End cap (KAS102/120) for 24mm			
	KAS1382.10 /1.16/24	End cap (KAS102/112) for 10mm, 16mm, 24mm			
	KAS1383.24	End cap (KAS103/120) for 24mm			
	KAS1384.10 /1.16/24	End cap (KAS103/112) for 10mm, 16mm, 24mm			
	KAS1385.10 /1.16/24	End cap (KAS104/141) for 10mm, 16mm, 24mm			
KAS1386.10 /1.16/24	End cap (KAS104/142) for 10mm, 16mm, 24mm				
Thermal Insulator	KAS 196	Thermal insulator	6000		
Gaskets	KAS 192	Standard TPR gasket	50m coil		
	KAS 193	Hip TPR gasket	50m coil		
	KAS 194	Rafter TPR gasket	25m coil		
Design standards	BS 5516-1: 2004 Patent glazing and sloping glazing for buildings. BS EN 755-9: 2016. Aluminium and aluminium alloys. Extruded rod/bar; tube and profiles. BS 4255-1:1986 Rubber used in preformed gaskets for weather exclusion from buildings. BS EN 12020-2:2001 Aluminium and aluminium alloys, extruded precision profiles. BS 3987:1991 Specification for anodic oxide coatings. BS EN 12206-1:2021 Paints and varnishes, coating of aluminium and aluminium alloys.				

SPANNING GUIDE - MAXIMUM RECOMMENDED SPANS (mm)

		Distance between bar centres - mm					
		600	1000	1200	600	1000	1200
Rafter bar type	Load (N/m ²)	Single glazed or polycarbonate			Double glazed		
Standard Duty 	500	3700	3300	3200	3300	2900	2800
	750	3400	3000	2800	3000	2600	2500
	1000	3100	2700	2500	2800	2400	2300
Heavy Duty 	500	4800	4200	4000	4200	3700	3600
	750	4300	3800	3700	3800	3400	3200
	1000	4000	3500	3400	3500	3100	3000

The table is for guidance purposes only. All loads should be calculated for the project by a qualified structural engineer. **Note:** Span = distance between fixing points - not overall bar length.
Important: Make sure that when using bars over 600mm centres, screw fixing of cover caps can be accessed safely for both installation and during maintenance periods.

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