

sun modul

FILON **Finesse**

Polycarbonate Glazing System

• Curved or flat glazing • UV resistant polycarbonate • Ideal for commercial & industrial buildings

FILON[®]



Garden Centre, Scotland



Rain Canopy, West Midlands



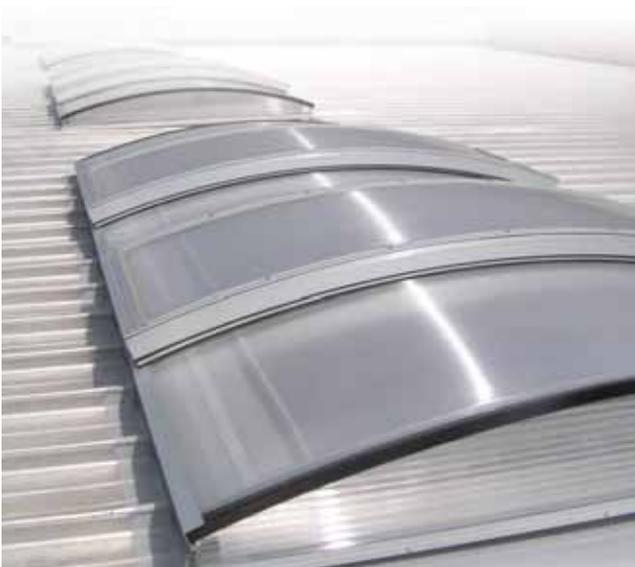
Curved Rooflights, Worcestershire



Open patio area, Warwickshire

QUALITY SOLUTIONS FROM FILON PRODUCTS

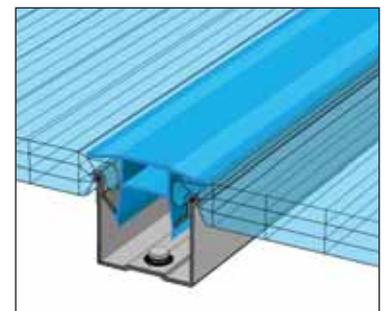
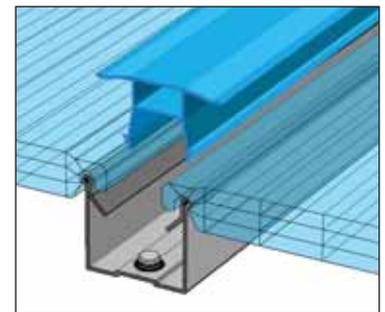
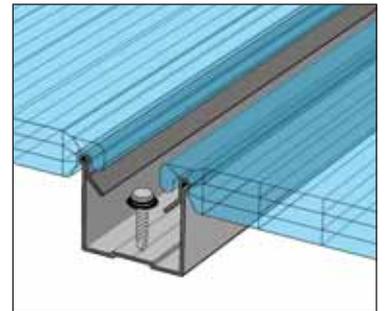
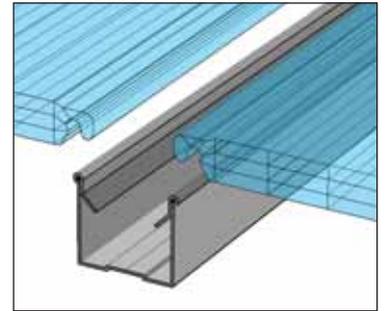
The Sun Modul Finesse system is available exclusively in the UK from FILON Products, the leading provider of GRP and thermoplastic rooflighting systems, roofing, cladding and other products for building and construction. For further details, visit www.filon.co.uk



Barrel vault rooflights with electric opening windows, Bedfordshire



Rooflights with electric opening windows, Bedfordshire



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THE COMPLETE SOLUTION FOR GLAZING ROOFS AND WALLS

The patented Sun Modul Finesse system is the result of long experience in the field of translucent glazing of roofs and walls, as well as domed skylights.

- The special multi-wall polycarbonate panels are hooked onto steel channels and firmly locked with special polycarbonate clip profiles, providing excellent characteristics for the creation of translucent surfaces for any kind in modern building.
- Extruded from high-grade polycarbonate, the glazing panels provide good light transmission and thermal insulation and are practically unbreakable. With an advanced UV resistant surface coating, weather resistance and long life span are guaranteed. The PC clip profiles are produced with the same technical characteristics as the panels.
- The galvanized and plastic coated steel channels are designed to provide very high rigidity. Consequently, the system can be used for wide, unsupported spans.
- The system is completed by a full range of aluminium profiles for frames, seals, opening windows and other accessories for every kind of application.
- The Sun Modul Finesse system combines high wind and snow loading capability, water tightness and stability of jointing, with lightness, easy assembly and the external appearance of a continuous surface. These properties make the system particularly well suited to glazing roofs and walls in industrial and commercial buildings and any other high specification applications.



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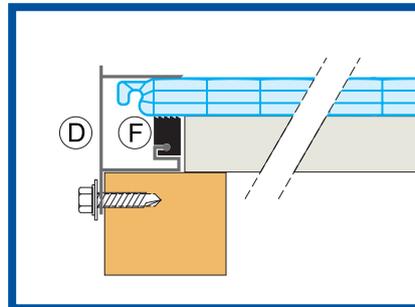
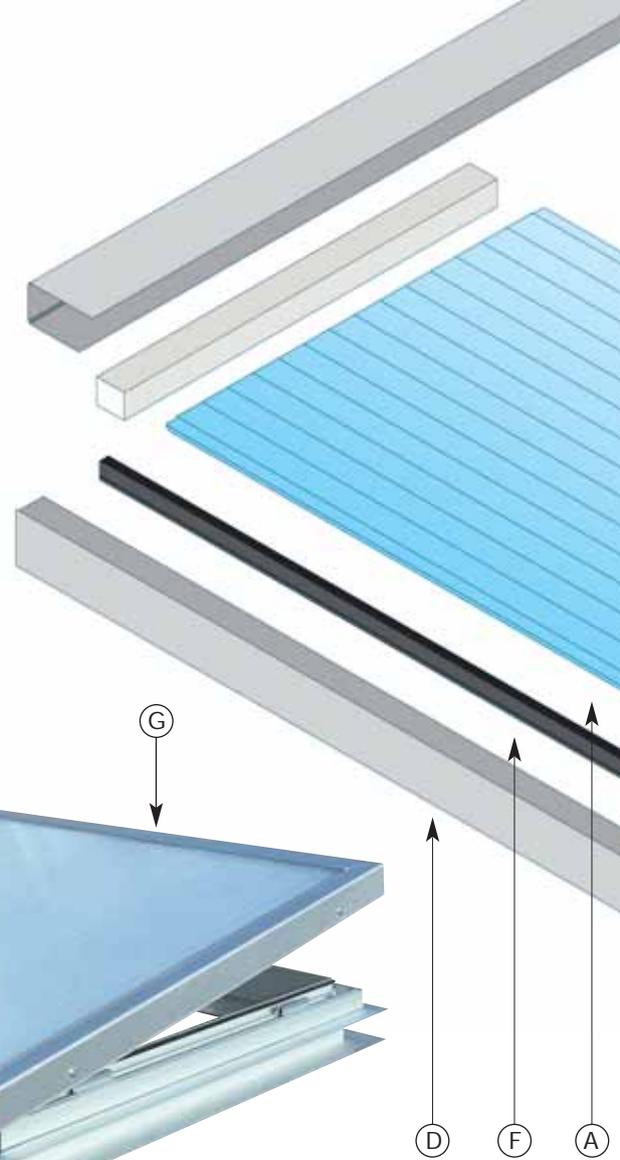
ROOFLIGHTS / NORTHLIGHTS

Due to the excellent water tightness of the patented locking system, high resistance to loads and low overall weight, the Sun Modul Finesse system is particularly well suited to low-pitch roofing applications, as well as traditional northlights.

A wide range of options regarding thermal insulation and load resistance can be obtained by combining various thicknesses of glazing panels and the two standard steel channel profiles.

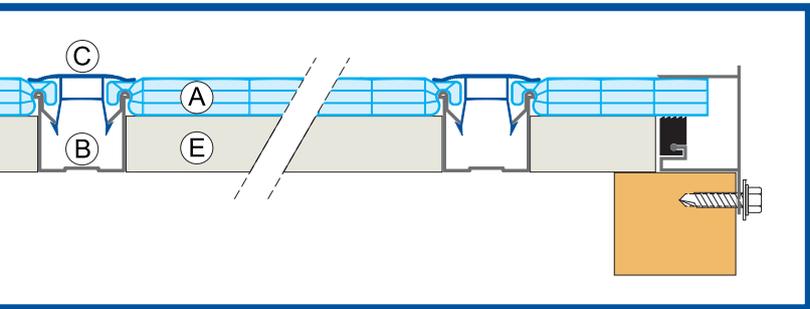
System components are supplied to length, to minimise joints in the length of the rooflight. The length of individual components is limited only by transport. The system is completed by a full range of options including manually or electrically operated window frames for ventilation.

- (A) UV protected polycarbonate glazing panel
- (B) Steel channel
- (C) UV protected polycarbonate clip profile
- (D) Aluminium frame profile
- (E) PE-Inlay
- (F) Seal
- (G) Aluminium window





**FIXING ON TOP
WITH ROOF BORDER PROFILE M652**



**FIXING AT BOTTOM
WITH BORDER PROFILE M651**



sun modul Finesse

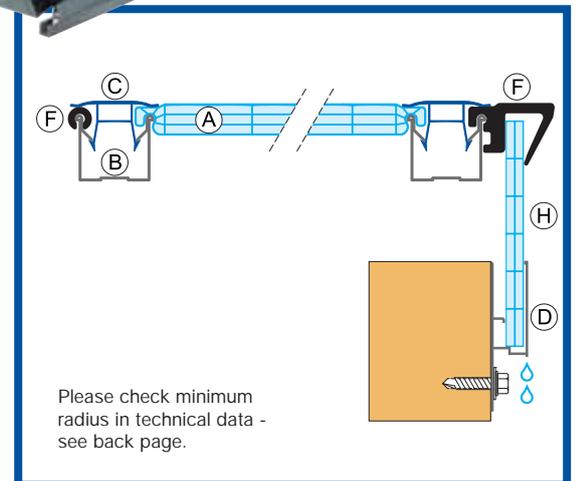
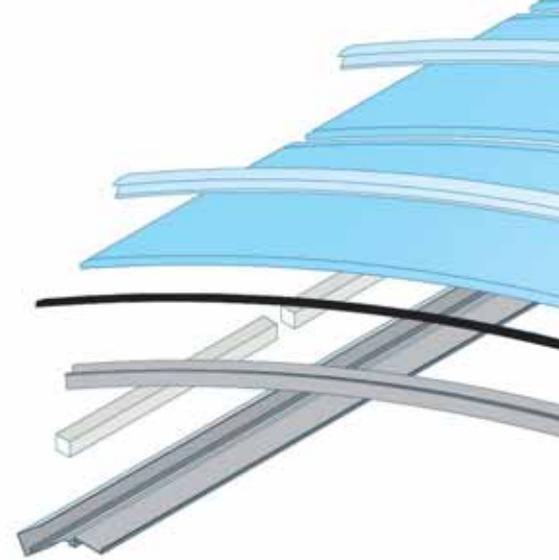
CURVED & BARREL VAULT ROOFLIGHTS

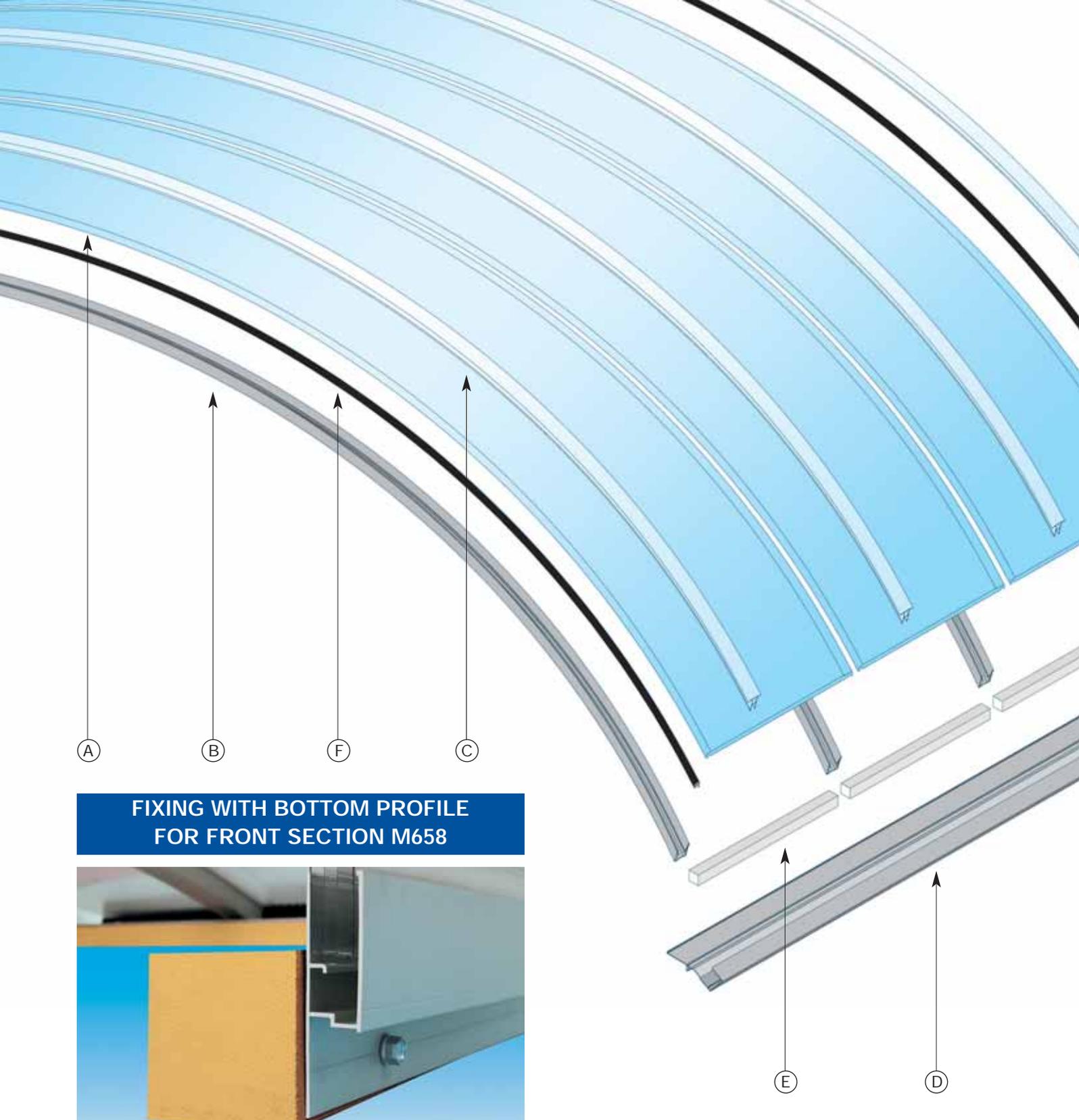
Sun Modul Finesse offers excellent advantages in curved glazing applications. The curved steel channels and patented locking system provide extremely high load resistance, excellent water tightness and stability, with very low overall weight.

A range of system components is available, providing the capability to construct self-supporting roofs with free spans up to approximately 8m, depending on the radius of the curve.

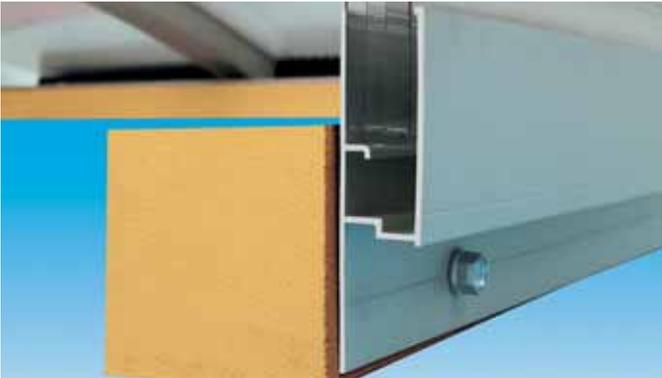
System components are supplied to length, to minimise joints in the length of the rooflight. The length of individual components is limited only by transport. The system is completed by a full range of options including manually or electrically operated window frames for ventilation.

- (A) UV protected polycarbonate glazing panel
- (B) Steel channel
- (C) UV protected polycarbonate clip profile
- (D) Aluminium frame profile
- (E) PE-Inlay
- (F) Seal
- (G) Curved aluminium window
- (H) Front section panel





FIXING WITH BOTTOM PROFILE FOR FRONT SECTION M658



Before and after: the Sun modul Finesse system is ideal for refurbishing barrel vault rooflights.

TECHNICAL DATA	10/500	16/500	25/500	10/1000	16/1000	32/1000	40/1000	UNIT
Glazing panel modular width	500 (± 2)		1000 (± 2)					mm
Glazing panel thickness	10	16	25	10	16	32	40	mm
Number of walls	3	4	5	3	3	7	7	Anz.
Minimum radius								
with STANDARD steel channel	2000	3500	5500	2500	3500	-	-	mm
with MAXI steel channel	-	6000	6000	-	-	-	-	mm
Total weight ca.	4,0	4,5	5,0	3,5	4,0	5,0	5,5	Kg/m ²
k-value	2,73	2,35	1,79	2,73	2,40	1,50	1,40	W/m ^{2K}
Light transmission: TRANSPARENT	73	66	61	73	66	60	55	%
OPAL-WHITE	63	57	51	63	57	45	40	%
Fire classification: DIN 4102 BS 476 Part. 7	B1 Class 1					B2 (B1 on request)		
ATTENTION: Verify the possible combinations between steel channels and panels.								

GENERAL PROPERTIES of polycarbonate	Thermal expansion	0,065	mm/m°C
	Temperature range	-40/+120	°C

GLAZING PANEL SELECTION depending on required snow and wind loads		10/500	16/500	25/500	10/1000	16/1000	32/1000	40/1000
for Wall / Northlight	with Standard-Steel Channel	●	●	●	●	●	●	●
	with Maxi-Steel Channel		●	●		●	●	●
for Flat Roof	with Standard-Steel Channel	●	●	●		●	●	●
	with Maxi-Steel Channel		●	●		●	●	●
for Curved Roof	with Standard-Steel Channel	●	●	●	●	●		
	with Maxi-Steel Channel		●	●				

COMPOSITE PANEL ROOFING APPLICATIONS



Application with seal M756



Application with seal M760

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FFP 02/022008

The values and recommendations given are to the best of our knowledge, true and accurate. Since the conditions under which the products may be used are beyond our control, recommendations are made without guarantee. These indications do not exempt the customer from ensuring that the materials selected meet their requirements and the laws and regulations in force.

FILON products reserves the right to change specifications at any time.

