



Therma-light CF40

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Therma-light CF40 is a complete polycarbonate glazing system, which introduces superior thermal insulation, natural light and UV protection to any building project.

Consisting of a 40mm multiwall polycarbonate panel, with insulating internal walls, Therma-light CF40 is delivered as a modular design, with interlocking panels that click and fix into place.

Available with a choice of aluminium glazing bars, for use in vertical applications, Therma-light CF40 is the perfect solution for creating high impact, glazed façades and cladding.

The use of polycarbonate ensures Therma-light CF40 is fully weathertight and fit for purpose, with strength and resilience built in, whilst creating a striking architectural feature whatever the application.

ALUMINIUM PROFILE OPTIONS

Standard:	Mill finish
Optional extra:	Polyester Powder Coated in a range of finishes <ul style="list-style-type: none">• Gloss• Semi-gloss• Matt• Metallic
Specials:	Bespoke colour options and marine finish

GLAZING OPTIONS

Therma-light CF40 is glazed with multiwall polycarbonate modular glazing panels.

Thickness:	40mm 10 wall
Protective coatings:	Standard single sided UV protection
Specials:	Double sided UV protection
Standard colours:	Glass Clear*, Pearlescent
Colours/tints:	Blue, Green, Orange, Purple, Red, Yellow (Non-standard colours are available on request subject to minimum order quantities)

PROPORTIONS

Standard Sheet Lengths:	Up to 7 metres
Longer Sheet Lengths:	Up to 12 metres to order

APPLICATIONS

Suitable for various applications including:

- Vertical façades
- Cladding
- Partitions
- Rainscreen



KEY BENEFITS

- Seamless glazing aesthetic
- Fully thermally broken system
- Quick and easy click and fix installation
- Suitable for vertical and horizontal glazing
- Excellent airtightness
- Good acoustic performance
- Fire venting properties
- Colour fast and UV stable
- Impact resistant (x200 that of glass)
- Fully recyclable
- Reduced CO₂ emissions
- Maximises natural light energy
- Withstands wide range of temperature extremes

* Glass Clear is not pigmented but it does incorporate glass beads which gives it a naturally diffused effect



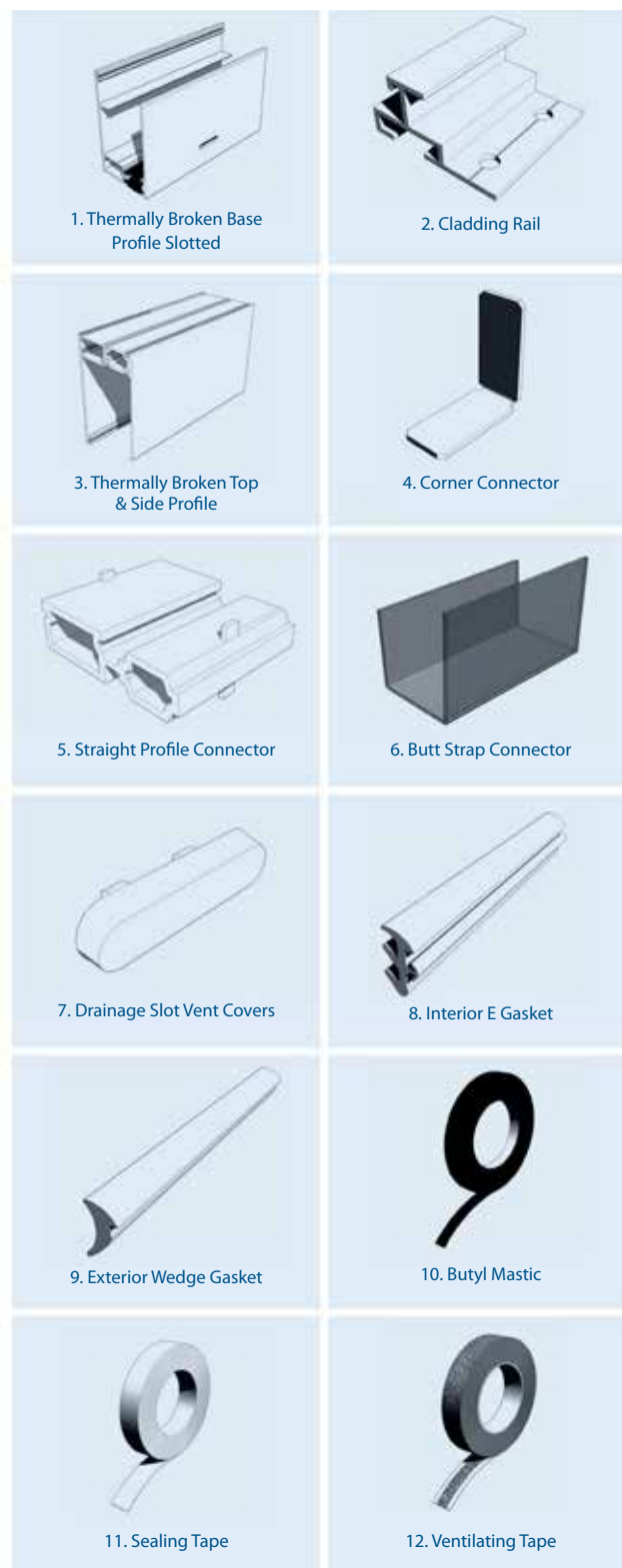
THERMA-LIGHT CF40 SYSTEM COMPONENTS

The 500mm wide structured polycarbonate panels have integral extruded interlocking click and fix connection points for simple and quick installation. Aluminium channels frame the recess and clips provide a secure attachment to cladding rails.

EXPLODED VIEW



COMPONENTS





PROPERTIES

Panel Structure	10 wall
Panel Thickness	40mm ±0.5mm
Modular Width (nominal)	500
Overall Width (nominal)	526
Panel Length	≤ 5m -0 +10mm > 5m -0 +25mm
U-Value	0.99 W/m ² K
Light Transmission	Glass Clear 52% Pearlescent 44%
Colours	Available on request
Hail Impact	Diam. 20mm v ≥21m/sec
Temperature Resistance (°C)	-40 up to +100
Linear Thermal Expansion	6.8 x 10 ⁻⁵ m/m°C
Fire Class	B-s1, d0 to EN13501-1
Sound Attenuation	EN ISO 10140-2: R _w (C;Ctr)=22 (-1;-1) dB (single skin)
Water Tightness	EN12155: R7 (600Pa)
Airtightness	EN12114: 0.18m ³ /h/m ² @+50Pa, 0.21m ³ /h/m ² @-50Pa EN12153: A3 (450Pa)

SPANNING

+/- LOAD (kN/m ²)	SPAN (m)
0.6	2.2
0.8	2.1
0.9	2.0
1.0	1.9
1.2	1.8
1.5	1.7
1.8	1.6
2.0	1.5

Single spanning based on deflection limit of 50mm or span/40 whichever is the lower.

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