

**146 NBS SPECIFICATION CLAUSE : CLICKFIX 1040 VF**

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Product ref: Clickfix 1040 VF

Type: Robust & versatile, Class B non-fragile, interlocking 40mm structured polycarbonate panel glazing system.

Frame: Clickfix 1040 system does not require glazing bars at panel joints. System is supplied with a perimeter frame of lightweight, thermally broken, extruded aluminium and hidden clips to secure panels against cladding rails / purlins.

Finish: Panels: Glass Clear or Pearlescent
 Perimeter frame: Mill finish (standard) or Powder coated on customer request (additional charge applies).

Colour: Panels: Glass Clear or Pearlescent – other colours are available for orders exceeding a minimum 700m².
 Perimeter frame: Mill finish or Powder coated to any standard RAL colour (extra charge applies) by request (Contact Brett Martin Daylight Systems for availability of alternative colours, loading rules and samples)

Building Interface: Panel glazing to be fixed to cladding rails by others.

Glazing Details:

| | | |
|------------------------------|--|------------------|
| Panel thickness: | 40mm | ±0.5mm |
| Panel structure: | 10 Wall | |
| Module Width: | 500mm | ±2.5mm |
| Overall Width: | 526mm | ±2.5mm |
| Lengths: | Up to 7m Standard / 7 to 13m available on extended lead times | |
| Weight: | 4.3 kg/m ² | |
| Fire rating: | Class B-s1, d0 (to EN13501-1) | |
| Impact resistance: | Class B non-fragile to ACR[M]001 (at 1200mm rail / purlin centres) | |
| Thermal performance: | 0.99 W/m ² K | |
| Minimum pitch: | 10° | |
| Light transmission: | 52% Glass Clear | 44% Pearlescent |
| Solar Heat Gain Coefficient: | 0.42 Glass Clear | 0.28 Pearlescent |
| Shading Coefficient: | 0.48 Glass Clear | 0.32 Pearlescent |

Structural span capacity: up to 2200mm (typical 2000mm) between cladding rails for normal use – see table below:

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

NOTE: spanning based on deflection limit of 50mm or span/40, whichever is lower

Sound attenuation: EN ISO 10140-2: RW (C;Ctr)=22 (-1;-1) dB (single skin)

Water tightness: EN12155: R7 (600Pa)
 ASTM E 331-00 (2009) Static Water Penetration [No Leakage @ 720 Pa]

Air Tightness: EN12114: 0.18m³/h/m² @50+Pa, 0.21m³/h/m² @-50Pa
 EN12153: A3 (450Pa)
 ASTM E 283-04 (2012) Static Air Leakage, Infiltration [q_A 0.79 m³/h/m² @ 300 Pa]

Wind Load: ASTM E 330/330M-14 Design Wind Load [No deformation or damage]

UV Protection: 10 year warranty on discolouration. Co-extruded UV protection eliminates 98% of harmful UV radiation

Fixing: Strictly in accordance with Brett Martin Daylight Systems Clickfix 1040 Installation Manual (Brett Martin Document ref: BM/TF01- copies available on request). Use only high quality stainless steel fixings of a type suitable for the substructure to which Clickfix panels are being fixed (stainless steel will greatly reduce the possibility of an electrolytic reaction at the bar/fixing interface).

Other: Additional interfacing perimeter frame profiles for special applications available on request.