



Technical Information

The Prime Aluminium bifold system, for bifolding doors & windows, French doors and single glazed doors, is designed as a sleek modern system that is fitter friendly.

The system has aesthetic qualities and robust running gears and hardware to ensure smooth operation of the doors, and minimal maintenance.

The super slim system offers:

A weather rated standard threshold with an option for low threshold with or without ramps for ease of access. In addition, a range of cills to suit site requirements.

Super slim sightlines

PAS24 security for peace of mind

Thermal efficiency with u-values from 1.4 - ask our helpful sales team about glass recommendations to suit your requirements.

A huge range of configuration options, with market leading sash widths of up to 1200mm wide by 3000mm high.

Options for either a floating or static corner post.

Popular range of standard colour options and non-standard RAL colour orders.

PERFORMANCES

u Value W/m ² k (double glazing with 1.1 u-value)	1.4 W/m ² K
Air Permability BS EN 1026	Class 4
Watertightness BS EN 1027	Class 9A
Wind Resistance BS EN 12211	Class A3
Security PAS24 Approved	

CONFIGURATIONS

Direction of opening

Open in & Open out

SIZE LIMITS

Maximum Frame width	16.8m
Maximum amount of panes sliding one way	7 panes
Maximum sash width	1200mm
Maximum sash height	3000mm
Standard Sash meeting stile sight line	120mm
Heavy Sash meeting stile sight line	133mm
Frame width	81mm
Maximum sash weight	120kg

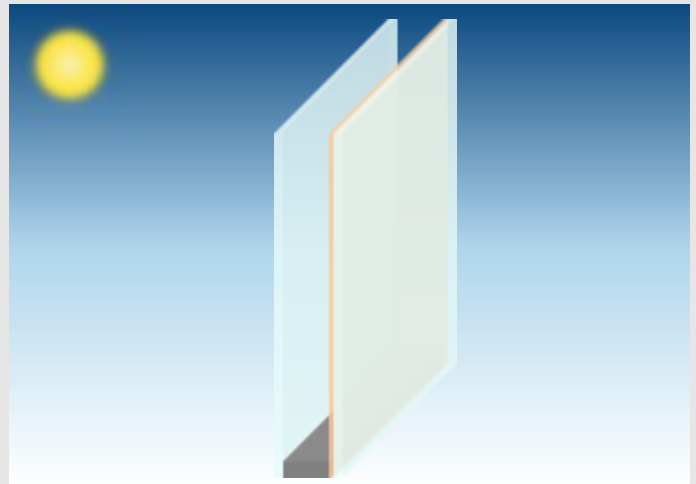
FEATURES

Frame depth	73mm
Paint standard and thickness	Qualicoat, 60 microns Qualanod, 20 microns
Dual colour option availability	✓
Concealed & face fixed hinge options	✓
Glazing options	Internal
Glazing thickness	28mm, 32mm, 35mm, 44mm
Hardware Supplier	Debar

SIZE LIMITS

Option 1 - Manual corner	Screw
Option 2 - Crimped corner	✓
Threshold options	20mm or full framed option
Half roller or sliding post possibility	✓
Cill Options	90mm, 150mm, 190mm, 230mm
Multi point locking	✓

Pane 1	PLANICLEAR (4 mm)
Cavity 1	ARGON (90%) / AIR (10%) / 20 mm
Pane 2	PLANITHERM ONE T FG PLANICLEAR (4 mm)



Calumen III 1.19



LUMINOUS FACTORS

CIE (15-2004)

Light transmission (TL %)	67.0 %
Outdoor reflection (RLe %)	25.0 %
Indoor (RLi %)	25.0 %



SOLAR FACTORS

EN410 (2011-04)

Solar factor (g)	0.4939
Shading Coefficient (SC)	0.5677



COLOR RENDERING

CIE (15-2004)

Transmission (Ra)	97.1
Reflection (Ra)	96.0



BURGLAR RESIST

EN356

Result :	NPD
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ENERGY FACTORS

EN410 (2011-04)

Transmission (Te)	42.7 %
Reflection (Ree)	42.3 %
Indoor (Rei)	40.3 %
Absorption (AE1)	7.6 %
Absorption (AE2)	7.4 %



THERMAL TRANSMISSION

EN673 (2011-04)

Ug	1.068 W/m ² .K
0° related to vertical position	



MANUFACTURING SIZES

Nominal thickness	28.0 mm
Weight	20.0 kg/m ²



PENDULUM RESISTANCE

EN12600

Result :	NPD
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ACOUSTICS

EN12758

Acoustic simulated values - v2.0	Rw(C;Ctr) = 33(-1;-5) dB
OITC (ASTM E1332)	26
STC (ASTM E413)	34