

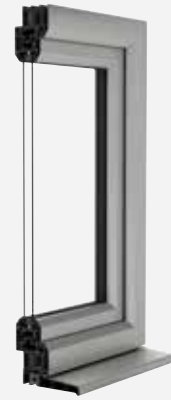
Optima Chamfered System Product Data



Casement Window



French Casement Window

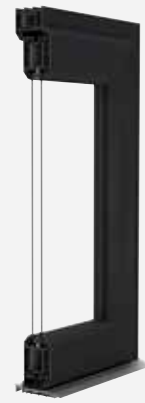


Tilt & Turn Window

PERFORMANCE & ACCREDITATION	Top Hung		Side Hung	
	U-value (double glazing)	1.2 W/m ² K		1.2 W/m ² K
U-value (triple glazing)	0.8 W/m ² K		0.9 W/m ² K	
Energy Rating (WER)	A++		A+	
Green Guide Rating #	A		A	
Acoustic Performance-various options depending on specification-RW (C;Ctr)	36 to 44		36 to 44	
Air Tightness (Pa)	Class 3 (600Pa)	Class 4 (600Pa)	Class 2 (300Pa)	Class 4 (600Pa)
Water Tightness (Pa)	Class 9A (600Pa)	Class E1500 (1500Pa)	Class 7A (300Pa)	Class E750 (E750Pa)
Wind Loading (Pa)	Class BE2400 (2400Pa)	Class CE2400 (2400Pa)	Class B4 (1600Pa)	Class CE2400 (2400Pa)
Security	PAS 24		PAS 24	
PAS 24 Size Limits (mm)	1240 x 1240	740 x 1340	740 x 1277	1436 x 1535
Secured by Design (SBD)	✓		✓	
CONFIGURATIONS				
Top Hung Outward	✓			
Side Hung Outward	✓		✓	
Fixed Light	✓		✓	✓
Multilight	✓		✓	✓
Tilt & Turn				✓
SASH WEIGHT & SIZE LIMITS				
Maximum Sash Weight*	50 kg	40 kg	40 kg	130 kg
Maximum Sash Size (mm)	1240 x 1240	740 x 1340	740 x 1340	1436 x 1535
SYSTEM FEATURES				
System Depth (mm)	70		70	
Multipoint Locking	✓		✓	
Glazing Options	Internally Beaded		Internally Beaded	
Glazing Thickness (mm)	24/28/36/40/44		24/28/36/40/44	



Residential Door



French Door

PERFORMANCE & ACCREDITATION

U-value (double glazing)	1.2 W/m ² K	1.2 W/m ² K
U-value (triple glazing)	0.8 W/m ² K	0.8 W/m ² K
Energy Rating (DSER)	A++	A+
Green Guide Rating #	A	A
Acoustic Performance-various options depending on specification-RW (C;Ctr)	36 to 44	36 to 44
Air Tightness (Pa)	Class 2 (300Pa)	Class 2 (300Pa)
Water Tightness (Pa)	Class 3A (100Pa)	Class 3A (100Pa)
Wind Loading (Pa)	Class A3 (1200Pa)	Class A3 (1200Pa)
Security	PAS 24	PAS 24
PAS 24 Size Limits (mm)	1000 x 2151	1000 x 2151
Secured by Design (SBD)	✓	✓

CONFIGURATIONS

Single Door	✓	
Double Door		✓
Fixed Light	✓	✓

SASH WEIGHT & SIZE LIMITS

Maximum Sash Weight*	120 kg	120 kg
Maximum Sash Size (mm)	1000 x 2200	1000 x 2200

SYSTEM FEATURES

System Depth (mm)	70	70
Multipoint Locking	✓	✓
Glazing Options	Internally Beaded	Internally Beaded
Glazing Thickness (mm)	24/28/36/40/44	24/28/36/40/44

* Hardware dependent