

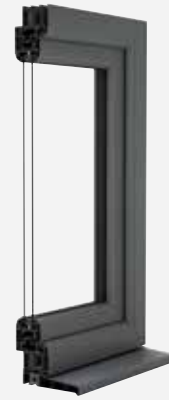
# Optima Sculptured System Product Data



**Casement Window**



**French Casement Window**



**Tilt & Turn Window**

PERFORMANCE & ACCREDITATION	Top Hung		Side Hung	
	U-value (double glazing)	1.2 W/m <sup>2</sup> K		1.2 W/m <sup>2</sup> K
U-value (triple glazing)	0.8 W/m <sup>2</sup> K		0.9 W/m <sup>2</sup> 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	1426 x 1540
SYSTEM FEATURES				
System Depth (mm)	70		70	
Multipoint Locking	✓		✓	
Glazing Options	Internally & Externally Beaded		Internally & Externally Beaded	
Glazing Thickness(mm)	24/28/36/40/44		24/28/36/40/44	
			24/28/36/40/44	



**Residential Door**



**French Door**

**PERFORMANCE & ACCREDITATION**

U-value (double glazing)	1.2 W/m <sup>2</sup> K	1.2 W/m <sup>2</sup> K
U-value (triple glazing)	0.8 W/m <sup>2</sup> K	0.8 W/m <sup>2</sup> 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 2151	1000 x 2151

**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