

Product Applications

<input checked="" type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Conservation / Historic only
<input checked="" type="checkbox"/> Light Commercial	<input checked="" type="checkbox"/> Fire-Rated (see W20-FR)
<input checked="" type="checkbox"/> Domestic	<input checked="" type="checkbox"/> Enhanced Security

Window / Door Types



All side hinged casements and doors can open either inwards (open in) or outwards (open out)

Weather Performance

Window Type	Air (Pa)	Water (Pa)	Wind (Pa)	Exposure Cat (Pa)
Fixed light	600	300	2400	2400
Top / side hung open out	300	200	2000	2000
Side / Bottom hung open in	300	200	2000	2000
Horizontal pivot casement	200	100	1600	1200
Vertical pivot casement	200	50	1600	1200

To BS 6375-1:1989. See "Weather performance" for full details.

Permissible Sizes (mm)

Type	Length	Height	Perim.
Fixed light	300 - 3000	300 - 3000	9200
Top hung open out	300 - 1800	300 - 1800	6400
Side hung / folding leaf	300 - 900	300 - 2400	6400
Bottom hung open in	300 - 1800	300 - 1500	6400
Horizontal pivot	400 - 1800	400 - 1800	6400
Vertical pivot (centre)	400 - 1500	400 - 2400	6500
Vertical pivot (1/3-2/3)	600 - 1200	400 - 2400	6500
Door leaf	475 - 900	1500 - 2500	6600

See "Window / door types and permissible sizes" for full details.

Glazing

Method	Type	Side	Technology
<input checked="" type="checkbox"/> Putty	<input checked="" type="checkbox"/> Single	<input checked="" type="checkbox"/> Inside	
<input checked="" type="checkbox"/> Sloping clip-on aluminium bead	<input checked="" type="checkbox"/> Double	<input checked="" type="checkbox"/> Outside	
<input checked="" type="checkbox"/> Rectangular / square clip-on steel bead	<input checked="" type="checkbox"/> Triple		
	Thickness	<input checked="" type="checkbox"/> Solid bed	
	2-16 mm	<input checked="" type="checkbox"/> Drained / ventilated	

See "Typical details" for full details.

Thermal Insulation

Building Regulations Document L (Conservation of Fuel and Power) Compliant

Combined frame and glass U values (U_w): 5.7 - 2.2 W/m²K U_w
Centre pane glass U values (U_g): 5.7 - 1.1 W/m²K U_g

For historic replica replacement for buildings in aesthetically sensitive areas or recognised historic buildings. U value depends on reference window used, glass, gas fills etc. See Thermal Insulation data sheet for full details.

Acoustic Insulation

Sound insulation of weatherstripped windows (approximate values averaged over a frequency range of 100 to 3150Hz)
20 - 28dB (single glazed) / 28-30dB (double glazed) reduction
35 - 40dB reduction (with secondary window / 200mm cavity).

