

Product Applications

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|--|--|
| <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



Fixed light



Side hung open out



Top hung open out



Bottom hung open in

Weather Performance

Window Type	Air (Pa)	Water (Pa)	Wind (Pa)	Exposure Cat (Pa)
Fixed light	Cl. 4	300	Cl. A5	2000
Top hung open out	Cl. 3	200	Cl. A4	1600
Side hung open out	Cl. 3	300	Cl. A4	1600
Bottom hung open in	n/av.	n/av.	n/av.	n/av.

To BS 6375-1:2009. See "Weather performance" for full details.

Permissible Sizes (mm)

Type	Length	Height	Perim.
Fixed light	300 - 1800	300 - 1800	7200
Top hung open out	300 - 1800	300 - 1300	6400
Side hung open out	300 - 650	300 - 1600	4300
Bottom hung open in	300 - 1300	300 - 1300	5100

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

Glazing

Method	Type	Side
<input checked="" type="checkbox"/> Putty / silicone	<input checked="" type="checkbox"/> Single	<input checked="" type="checkbox"/> Inside
<input checked="" type="checkbox"/> Flush clip-in 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	Technology
	18-20 mm	<input checked="" type="checkbox"/> Solid bed
		<input checked="" type="checkbox"/> Drained / ventilated

Refer to "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): **2.0 - 1.7 W/m²K**
 Centre pane glass U values (U_g): **1.1 - 1.0 W/m²K**
 B.F.R.C. Window Energy Rating: **Grade C (-16)**

For replacement domestic or commercial, extensions and may also be suitable for new 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)

28 - 30dB reduction (double glazed)

35 - 40dB reduction (with secondary window / 200mm cavity).

