

## 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 W40-FR)      |
| <input checked="" type="checkbox"/> Domestic         | <input checked="" type="checkbox"/> Enhanced Security            |

## Window / Door Types



Fixed light



Top hung open out



Side hung open out



Side hung open in



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	300	Cl. C5	2000
Side hung open out	Cl. 4	300	Cl. C5	2000
Side hung open in	Cl. 4	300	Cl. C5	2000
Bottom hung open in	Cl. 4	300	Cl. C5	2000

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

## Permissible Sizes (mm)

Type	Length	Height	Perim.
Fixed light	300 - 3000	300 - 3000	9400
Top hung open out	300 - 2000	300 - 2000	6600
Side hung open out	300 - 1000	300 - 2400	6600
Side hung open in	300 - 1000	300 - 2400	6600
Bottom hung open in	300 - 2000	300 - 1600	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"/> Solid bed
<input checked="" type="checkbox"/> Flush clip-in aluminium bead	<input checked="" type="checkbox"/> Double	<input checked="" type="checkbox"/> Outside	<input checked="" type="checkbox"/> Drained / ventilated
<input checked="" type="checkbox"/> Rectangular / square clip-on steel bead	<input checked="" type="checkbox"/> Triple		
	<b>Thickness</b>		
	<b>24-26.8 mm</b>		

See "Typical details" for full details.

## Thermal Insulation

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

Combined frame and glass U values (Uw): **2.3 - 1.8 W/m<sup>2</sup>K Uw**  
 Centre pane glass U values (Ug): **1.1 - 0.8 W/m<sup>2</sup>K Ug**

For replacement windows in domestic or commercial buildings, extensions and most 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).

