

The W30 range of steel windows is a slimline derivative of the W20 range suitable for double glazed domestic and light to medium-duty commercial applications. It incorporates double weatherseals plus fully drained and ventilated glazing and with its ability to house 18mm sealed units, whilst offering very narrow sightlines on opening windows, allows W30 to attain an exceptional grade "C" window energy rating under the BFRC's (British Fenestration Ratings Council) rating scheme.

This makes the range particularly suitable for replacing existing SMW (Standard Metal Window) installations to upgrade them to fully Building Regulation compliant standards whilst maintaining the slim elegant sightlines of the existing windows. Equally, they offer the specifier of extensions or new build projects an unrivalled slim sightline product with outstanding performance.



W30 galvanised and black polyester powder coated steel windows used on new build domestic property with double glazed lead lights

Replica Replacement

Where existing SMW or Small-Universal windows occur in recognised historic or aesthetically sensitive buildings or areas, but where the specifier is looking for the new windows to perform to modern-day standards, W30 windows are the natural replica replacement product. They can, in most cases, offer a near-match for the existing but also comply with the Building Regulations Document L (Conservation of Fuel and Power).

Galvanising

All windows are hot dipped galvanised after manufacture to British Standards to completely protect the window against corrosion.

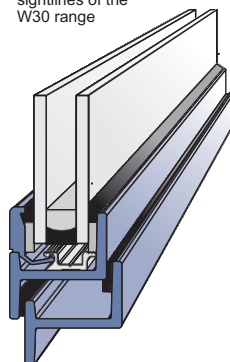
Polyester Powder Coating

After chemical cleaning, all windows are optionally coated to British Standards with our attractive and durable factory applied polyester powder coating to enhance their aesthetics and minimise future maintenance. An extensive range of colours is available (any standard RAL reference).

Ironmongery

A large range of quality modern or traditional face mounted ironmongery can be fitted, in addition to restrictors, background trickle ventilators and security locks. All available with a range of attractive finishes in addition to standard finishes of satin chrome plate or RTD RotoTone Dark bronze lacquer. Main ironmongery, comprising handles and stays, are generally solid brass. Opening windows are available with standard welded or variable geometry concealed hinges.

Simple clean sightlines of the W30 range



For a full specification, please refer to: "W30 - Model specification / NBS specification"

Key facts and features

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
<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 Category (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"/> Chamfered clip-in aluminium bead	<input checked="" type="checkbox"/> Triple	<input checked="" type="checkbox"/> Technology
Refer to "Typical details" for full details	Thickness	<input checked="" type="checkbox"/> Solid bed
	18-20 mm	<input checked="" type="checkbox"/> Drained / ventilated

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 Uw**
Centre pane glass U values (U_g): **1.1 - 1.0 W/m²K Ug**
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).