



## **West Leigh Ltd - NBS Specification**

### **W30 – Range**

#### **L 10 - WINDOWS / ROOFLIGHTS / SCREENS / LOUVRES**

#### **320 - STEEL WINDOWS AND DOORS**

**Manufacturer:**

West Leigh Ltd  
Unit 6, Meridian Trading Estate,  
Bugsby's Way,  
Charlton,  
London  
SE7 7SJ

**Product Reference:** W30 - Range - Mild steel window sections.

**Mild Steel:** To BS EN 10025-2 and cold straightened.

Manufactured in accordance with - BS 6510 – W30 Section.

**Weathertightness:** To BS 6375-1 Part 1 (2009 Edition).

Exposure category (Design wind pressure) 1200 (Pa) - See Table **AA** unless otherwise specified.

For air permeability, water-tightness and wind resistance test data see table **AA**.

Operation and strength characteristics; To BS EN 14351-1 and to BS 6375: Part 2.

**Construction:**

All frames have welded corners and are flat and square within normal manufacturing dimensional tolerances of +/- 2mm.

All intermediate bars are riveted and/or welded to frames and interlock with rigid joints displaying face gaps of no more than 1mm.

**Galvanising:**

Hot dip galvanising: All frames and ancillary profiles (steel attachments, coupling members and ancillaries) shall be positively rustproofed by hot-dipped galvanising after manufacture to BS EN ISO 1461.

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### **Glazing Details:**

Can accept up to 18mm thick sealed double glazing units.

Thermal insulation: (U value depends on reference window used, glass, gas fills etc.):

Combined frame and glass U values (U<sub>w</sub>): 2.0 – 1.7 W/m<sup>2</sup>K U<sub>w</sub>.

Centre Pane Glass U values (U<sub>w</sub>): 2.0 – 1.7 W/m<sup>2</sup>/K U<sub>g</sub>.

Approximately 5.7 W/m<sup>2</sup>/K (single glazed) down to minimum 2.2 W/m<sup>2</sup>/K (90% krypton gas filled soft coat low E 16mm sealed double glazing units) combined frame and glass U values.

B.F.R.C Window Energy Rating: Grade C.

### **Weather Stripping:**

Dual Weather-stripping: External and Internal black EPDM self-adhesive weather/air seals.

### **Acoustic Insulation:**

Sound insulation of weather stripped windows/doors ( approximate values averaged over a frequency range of 100 to 3150Hz) to be 28 – 30 dB reduction (Double Glass) / 35 – 40dB reduction (with secondary window and 200mm cavity).

### **328 - Ironmongery/Accessories:**

Standard finishes: Satin Anodised or Satin Chrome according to fitting, optional Hardware/Finishes: Available on request consult West Leigh Ltd.

### **331 – Finishing:**

- Finish:** - Type / Reference: Polyester powder coating to BS 6497 or BS EN 13438
- Preparation:** - Following galvanising, windows are chemically cleaned and pre-treated to provide a surface to which powder coating will adhere.
- Covering:** - Minimum powder coating thickness of 60 microns on all significant surfaces.
- Colours:** - All standard RAL colour references available.
- Gloss level:** - Standard matt (30% +/- 7% gloss level). Optional semi-gloss and full gloss levels available.
- Process:** - Coating will be undertaken by our specialised polyester powder coat applicator.

### **470 – Sealants:**

Joint surfaces are to be clean, grease and dust free and prepared in accordance with the sealant manufacturers recommendations.

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**Table AA**

Type of Opening Light	Air Permeability	Water Tightness	Wind Resistance	Exposure Category
Fixed Light	Class 4	300 Pa	Class A5	2000
Side Hung Open Out	Class 3	200 Pa	Class A4	1600
Top Hung Open Out	Class 3	300 Pa	Class A4	1600
Bottom Hung Open In	n/av	n/av	n/av	n/av

- > **Permissible Window Sizes** - See **W30** data sheet for minimum / maximum frame sizes.
- > Windows fitted with manual or electrically operated winding gear may not achieve the performance detailed in Table AA.

Manufactured at West Leigh Factory in the United Kingdom and in compliance with British and Harmonised European standards.

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