



## West Leigh Ltd - NBS Specification - W50 Thermally Broken 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:** W50 Range – Cold Formed Rolled Steel, Thermally Broken Window/Door Sections.

**Mild Steel:** To BS EN 10162:2003 cold rolled steel sections.  
Manufactured in accordance with - BS 6510 – W50 Section.

**Weathertightness:**

- For tested sizes; Air Permeability, Water-Tightness, Wind Resistance and Burglary Resistance test data see table AA.

**Construction:**

- All frames have seamless welded corners and are flat and square.
- All intermediate bars are welded to frames and are flat and square.

**Glazing Details:**

- Can accept insulated double and triple glazing units up to 37mm in thickness.

**Weather Stripping:**

- Gaskets complying with BS 4255, manufactured from EPDM which is secured into the grooves of the frame.

**Thermal Insulation**

- Can achieve a U value of 1.0 W/m<sup>2</sup>/K

**Acoustic Insulation:**

- A high acoustic rating which can achieve up to Rw46 (-1; -5) dB

### **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:**

- Polyester powder coating to BS 6497 or BS EN 13438.

#### **Standard Specification Finish:**

Environmental Classification C1 – C3.

- Shotblast to SA 2.5 in accordance with ISO 8501.1
- Zinc Rich Epoxy Primer 60 – 80 microns
- Ultra-Durable Architectural Powder 60 – 80 microns

#### **Enhanced Specification Finish:**

External Environmental Classification C4 – C5

- Shotblast to SA 2.5 in accordance with ISO 8501.1
- Zinc Rich Epoxy Primer 60 – 80 microns
- Epoxy primer 60 – 80 Microns
- Ultra-Durable Architectural Powder 60 – 80 microns

#### **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.

**Table AA**

Type of Opening Light	Tested Size W x H	Air Permeability BS EN 12207	Water Tightness BS EN 12208	Wind Resistance BS EN 12210	Burglary Resistance EN 1627 - 1630
Fixed Light	1500 x 2200	Class 4	7B	C5 / 2000 Pa	
Side Hung Open In Single Leaf	750 x 2200	Class 4	7B	C3 / 1200 Pa	
Side Hung Open In Double Leaf	1500 x 2200	Class 4	7B	C3 / 1200 Pa	
Side Hung Open Out Single Leaf	850 x 1700	Class 4	9A	C5 / 2000 Pa	
Side Hung Open Out Double Leaf	tba				
Bottom Hung	750 x 2200	Class 4	7B	C3 / 1200 Pa	
Top Hung	850 x 1700	Class 4	9A	C5 / 2000 Pa	
Vertical Pivot	tba				
Horizontal Pivot	tba				
Multilight Casement Window	1698 x 1789	3	3A	A3	
Door Open out Double Leaf	2100 x 2400	2	1A	C2	RC 2
Door Open in Double Leaf	2100 x 2400	2	1A	C2	RC2

Windows fitted with manual or electrically operated winding gear may not achieve the performance detailed in Table AA.

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