



West Leigh Ltd - NBS Specification

W40 – 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: W40 – Range – Mild Steel window sections.

Mild Steel: To BS EN 10025-2 and cold straightened.
Manufactured in accordance with - BS 6510 – W40 Section.

Weathertightness: To BS 6375: Part 1. Exposure category (Design wind pressure)
1200/1200 (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 6375: Part 2

Construction:

All frames have welded corners and are flat and square within normal manufacturing dimensional tolerances of +/- 1.5mm.

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 1461:2009.

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Glazing Details:

Can accept Double or Triple glazing up to 26.8mm in thickness.

Thermal insulation: Approximately 2.3 W/m²/K (90% Argon gas filled soft coat Low E 24mm sealed double glazing units) down to a minimum of 1.8 W/m²/K (90% Krypton gas filled soft coat Low E sealed triple glazing units) combined frame and glass U values.

Centre Pane Glass U values (Ug) 1.1 – 0.8 W/m²/K Ug.

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.

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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	Air Permeability	Water Tightness	Wind Resistance	Exposure Category
Fixed Light	Class 4	300	Class C5	2000
Top Hung Open Out	Class 3	300	Class C5	2000
Side Hung Open Out / In	Class 4	300	Class C5	2000
Bottom Hung Open In	Class 4	300	Class C5	2000
Horizontal Pivot	Class 4	300	Class C5	2000
Vertical Pivot	Class 2	150	Class C5	1200

- > **Permissible Window Sizes** – See **W40** 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 our West Leigh Factory in the United Kingdom and in compliance with British and Harmonised European standards.

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