

CRITTALL WINDOWS NBS SPECIFICATION

T60® RANGE

L10 - WINDOWS

316 STEEL WINDOWS:

- Manufacturer and reference: Crittall Windows Ltd, T60® Thermal Break
- Manufactured generally in accordance with BS 6510
- Operation and strength characteristics: To BS 6375: Part 2 and BS EN 14024
- Weathertightness: To BS 6375: Part 1
 - Exposure Category (Design Wind Pressure): Up to 1600 Pa
 - For air permeability, water-tightness and wind resistance data see Table AA
- Construction
 - All frames have welded corners and are flat and square within normal manufacturing tolerances of +/-1.5 mm
 - Thermally broken profiles tested in accordance with EN 14024 with density of 7.85 kg/dm³, tensile strength of 360 MPa, 0.2% elastic limit of 280 MPa, breaking elongation of 18% and E-modulus of 210000 MPa
- Thermal break: Profiles feature integral Polyamide 6.6 thermal isolators
- Product range: Fixed lights (single section), top hung open out, projecting top hung open out, side hung open out and open in, french casement open in and bottom hung open in internally glazed configurations available.
- Sightlines for T60® profiles:
 - Fixed frames: 25mm (short equal leg) / 40mm (long leg)
 - Operable windows: 45mm (short leg) / 60mm (long leg)
 - Glazing bars: True, 40mm. Simulated divided light grids available from 19mm
- Glazing details
 - Will accept insulating glass units up to 48mm in thickness
 - Frames are delivered unglazed for site glazing - Crittall will supply frames only, or frames with glazing units
 - The thickness of glazing units will determine the types of gaskets and beads supplied
- Glazing beads
 - Clip-in polyester powder coated (as frame colour) aluminium glazing beads
 - Available in various styles and depths to suit varying glass thicknesses
- Weatherstripping: EPDM gaskets secured into grooves of opening frames
- Ironmongery/accessories: See clause 328
- Corrosion protection: See clause 331
- Finish as delivered: See clause 331

325 STEEL WINDOWS:

- Generally, all the foregoing
- Manufacturing undertaken in the Crittall factory by directly-employed personnel
- Design, manufacture, and installation carried out under Quality Management Systems certified to BS EN ISO 9001
- Manufacture is undertaken under an Environmental Management System accredited to BS EN ISO 140001

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328 IRONMONGERY/ACCESSORIES

- Standard provisions: Refer to brochure
- Standard finishes: Clear Anodised Aluminium, Brushed Stainless Steel, Matt Black

331 FINISH COATING

- Type/reference: Epoxy free Duralife™ polyester powder coating to BS EN 13438, using Interpon D1036 or D2525 powder applied in accordance with BS 6497
- Substrate: Thermally broken steel, with protection coating of type ZM130 (Zinc Magnesium) at @130 g/m² (approximately 10 µm per side)
- Preparation: Chemical clean and pre-treat the ZM130 coated substrate to provide a surface to which zinc primer and powder coating will adhere
- Covering: Minimum 60 µm per coat on all significant surfaces
- Colours: Wide selection available. See Crittall Duralife™ Standard Colour Guide
- Process:
 - Coating will be undertaken in the same manufacturing plant as the frame fabrication
 - Applied in accordance with quality control inspection measures conforming to ISO 9001

470 SEALANTS

- Joint surfaces are to be clean, grease / dust free, and prepared in accordance with the sealant manufacturer's recommendations
- External perimeter sealant is to be Arbosil 1096 or 1090 neutral cure low modulus silicone, compliant with BS 5889 Type A 1989

552 METAL GLAZED SCREENS

- Multilights / direct-coupled assemblies are available
- A full design / advice service is available
- Coupling details: consult Crittall

Table AA

T60® Window Configuration	Maximum Opening Light Size	Air Permeability to BS EN 12207	Water Tightness to BS EN 12208	Wind Resistance to BS EN 12210
		Class (Pa)		
Fixed Light (Single Section)		4 (600)	9A (600)	C4/B4 (1600)
Side Hung Open Out	1000 x 2400mm	4 (600)	9A (600)	C4/B4 (1600)
Side Hung Open In	1000 x 2400mm	4 (600)	9A (600)	C4/B4 (1600)
French Casement Open In	1800 x 2400mm	4 (600)	8A (450)	C3 (1200)
Top Hung Open Out	1600 x 800mm	4 (600)	9A (600)	C4/B4 (1600)
Projecting Top Hung Open Out	1600 x 800mm	4 (600)	9A (600)	C4/B4 (1600)
Bottom Hung Open In	1600 x 800mm	4 (600)	9A (600)	C4/B4 (1600)
Note				
Windows fitted with remote operating gear (electric or manual) may not achieve the performance listed				