

## **CRITTALL WINDOWS NBS SPECIFICATION CORPORATE™ W20 RANGE**

### **L10 - WINDOWS**

#### **316 STEEL WINDOWS AND DOORS:**

- Manufacturer and reference: Crittall Windows Ltd, **Corporate™ W20 range**
- Generally manufactured in accordance with BS 6510, W20 section.
- Weathertightness: To BS 6375: Part 1  
Exposure category (Design wind pressure): 1200/2000 (Pa) see Table AA
- For air permeability, water-tightness and wind resistance 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 +/- 1.5 mm. Intermediate bars are hot tenon riveted.
- Galvanising: All components including steel attachments, coupling members and ancillaries: hot-dipped after manufacture to BS EN ISO 1461:1999
- Glazing details: Will accept double glazing up to 16 mm in thickness.  
Glazing beads present no horizontal ledges on which dust and dirt can gather.
- Weatherstripping: Gaskets complying with BS 4255: Part 1 manufactured from EPDM secured into grooves of opening frame with adhesive.
- Ironmongery/accessories: See clause 328.
- Finish as delivered: Galvanised or Duralife™ (see clause 331) in a range of colours.

#### **325 STEEL WINDOWS AND DOORS:**

- Generally all the foregoing.
- Manufacturing undertaken in the Crittall factory by directly employed personnel.
- Design testing, manufacture and installation carried out under Quality Management Systems certified to BS EN ISO.9001

#### **328 IRONMONGERY/ACCESSORIES:**

- Standard provisions: See Brochure/Binder
- Standard finishes: Satin anodised or satin chrome according to fitting.
- Optional hardware/finishes: Available, consult Crittall.

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**331 FINISH COATING**

- Type/reference: Epoxy free Duralife™ polyester powder coating using Interpon D36 powder.
- To BS 6497
- Preparation: Following galvanising, windows are chemically cleaned and pre-treated to provide surface to which powder coating will adhere.
- Covering: Minimum 60 microns on all significant surfaces.
- Colours: Wide selection available. See Crittall Colour Selector.
- Process: Coating will be undertaken in the same manufacturing plant as the frame fabrication.

**552 METAL GLAZED SCREENS:**

- Screen/composite window assemblies are available utilising all Crittall ranges.
- A full design/advice service is available.
- Coupling details; consult Crittall.

**Table AA**

TYPE OF OPENING LIGHT	EXPOSURE CATEGORY (Pa)	AIR PERMEABILITY: Not More Than 16m <sup>3</sup> /h/m JOINT, AT (Pa)	WATER TIGHTNESS: NO LEAKAGE, AT (Pa)	WIND RESISTANCE: NO DAMAGE & ONLY PERMISSABLE DEFLECTION, AT (Pa)
<b>Corporate™ W20</b>				
Vertical Pivot	1200	300	50	*1200
Horizontal Pivot	1200	300	100	*1200
Bottom Hung Open In	1200	300	100	*1200
Side Hung Open In	1200	300	100	*1200
Side Hung Open Out	2000	300	300	2000
Top Hung Open Out	2000	300	300	2000

\* A higher wind resistance can be achieved.