#### 

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

- Galvanizing: All components including steel attachments, coupling members and ancillaries: hot-dipped after manufacture to BS EN ISO 1461

- Glazing details: Will accept double glazing up to 16.4 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: Galvanized and 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

- Standard finishes: RTD (Bronze Effect) or Satin Chrome

- Optional hardware/finishes: Available, consult Crittall

331 FINISH COATING

- Type/reference: Epoxy free Duralife polyester powder coating using Interpon D36 powder

- To BS 6497

- Preparation: Following galvanizing, windows are chemically cleaned and pre-treated to provide a surface to which powder coating will adhere

- Covering: Minimum 60 microns 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

552 METAL GLAZED SCREENS:

- Screens/coupled 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 16m3/hr/m JOINT, AT (Pa)** | **WATER:**  **NO LEAKAGE, AT (Pa)** | **WIND RESISTANCE: NO DAMAGE & ONLY PERMISSABLE DEFLECTION, AT (Pa)** |
| ***Corporate W20*** |  |  |  |  |
| Fixed Light | 2000 | 300 | 300 | 2000 |
| Side Hung Open Out | 2000 | 300 | 300 | 2000 |
| Side Hung Open In | 1200 | 300 | 100 | 1200 |
| Folding Window Open Out | 2000 | 300 | 300 | 2000 |
| Folding Window Open In | 1200 | 300 | 100 | 1200 |
| Projecting Side Hung Open Out | 2000 | 300 | 300 | 2000 |
| Projecting Side Hung Open In | 1200 | 300 | 100 | 1200 |
| Top Hung Open Out | 2000 | 300 | 300 | 2000 |
| Projecting Top Hung Open Out | 2000 | 300 | 300 | 2000 |
| Bottom Hung Open In | 1200 | 300 | 100 | 1200 |
| Vertical Pivot | 1200 | 300 | 50 | 1200 |
| Horizontal Pivot | 1200 | 300 | 100 | 1200 |
| Side Hung Door Open Out | 1200\* | 300\* | 100\* | 1200\* |
| Side Hung Door Open In | 1200\* | 300\* | 100\* | 1200\* |
| Folding Door Open Out | 1200\* | 300\* | 100\* | 1200\* |
| Folding Door Open In | 1200\* | 300\* | 100\* | 1200\* |

*\* Assumes a standard rebated threshold is used. Performance may vary where a flush threshold is specified*