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 |
| Door – open out ADA/DDA accessible | 1200 | 300 | 100 | 1200 |
| Door – open out rebated outer frame | 1200 | 300 | 100 | 1200 |
| Door – open in ADA/DDA accessible | 800 | 300 | 50 | 800 |
| Door – open in rebated outer frame | 1200 | 300 | 100 | 1200 |

Notes:

1. Windows fitted with remote operating gear (electric or manual) may not achieve the performance listed
2. Door performance relates to both single and double doors
3. Should greater project weather performance be required, please refer to Crittall Technical for advice