L10 - WINDOWS

316 STEEL WINDOWS AND DOORS:

 - Manufacturer and reference: Crittall Windows Ltd, **Corporate® MW40 range**

 - Generally manufactured in accordance with BS 6510 MW40 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 to be hot-dipped after manufacture to BS EN ISO 1461:2009

- Glazing details: Will accept double glazing up to 30 mm in thickness.

Glazing beads present no horizontal ledges on which dust and dirt can gather.

 DG units to have a maximum centre pane U value of 1.2 W/m²/K compliant with Part L 2010 (2013 Edition)

 - Weatherstripping: Compressible closed cell foam tape weatherseal

 - Ironmongery | accessories: See clause 328.

- Finish as delivered: Galvanised and Duralife® polyester powder coated in a range of colours (see clause 331).

325 STEEL WINDOWS AND DOORS:

 - 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 to be undertaken under an Environmental Management System accredited to BS EN ISO 140001

328 IRONMONGERY | ACCESSORIES:

 - Standard provisions: See Brochure/Binder

 - Standard finishes: Satin anodised or satin chrome according to fitting.

 - Optional hardware | finishes: Available, consult Crittall.

331 FINISH COATING

 - Type | reference: Epoxy free Duralife® polyester powder coating using Interpon D1036 powder to BS EN ISO 13438

 - 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 must be undertaken in the same manufacturing plant as the frame fabrication.

470 SEALANTS

* Joint surfaces are to be clean, grease | dust free and prepared in accordance with the sealant manufacturers 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:

 - 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****Corporate® MW40** | **Exposure Category****(Pa)** | **Air Permeability****Not More Than 16m3/h/m Joint at (Pa)** | **Water Tightness****No Leakage at** **(Pa)** | **Wind Resistance** **No Damage & Only Permissible Deflection at (Pa)** |
| 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 |
| Single Door Open Out \*\* | 800x | 150 | 50 | 800 |
| Double Door Open Out \*\* | 800x | 150 | 50 | 800 |

\* A higher wind resistance can be achieved

\*\* Applies to doors with a full rebated threshold. Thresholds designed to meet accessibility requirements of the UK Building Regulations are unlikely to meet category 800x

∆ Windows fitted with manual or electrically operated winding gear may not achieve the performance detailed in Table AA