L10 WINDOWS

320 STEEL WINDOWS:

 - Manufacturer and reference: Crittall Windows Limited, **Homelight® *Plus*** **Residential**.

 - Windows generally manufactured in accordance with BS 6510

- Weathertightness: To BS 6375: Part 1. Exposure category (design wind pressure): 2000 (Pa).

 - 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 ± 1.5mm.

- Galvanising: All components including steel attachments, coupling members and ancillaries to be hot dipped after manufactured to BS EN ISO 1461:1999.

 - Glazing details: 16 mm DG units comprising:

DG units to have a maximum centre pane U value of 1.2 W/m²/K compliant with Building Regulation Part L 2010

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

- Weatherstripping: Pressure equalised and fitted with twin gaskets (external rainscreen/internal air seal) in a co-extrusion with hot melted adhesive applied.

 - Ironmongery/accessories: Clause 328.

- Finish as delivered: Galvanised and Duralife® polyester powder coated (see clause 331).

325 STEEL WINDOWS:

- Manufacturing undertaken in a factory sited in the UK and within 100 mile radius of the site to minimise the carbon footprint of the window renewal programme.

- Design, manufacture and installation carried out under a Quality Management System certified to BS EN ISO 9001

- Manufacture to be undertaken under an Environmental Management System accredited to BS EN ISO 14001.

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 D36 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.

810 SEALANT JOINTS

* External perimeter sealant to be Adshead Ratcliffe Arbosil 1096 or 1090 low modulus neutral cure silicone sealant to BS5889 Type A: 1999

812 COMPOSITE TIMBER | EXTRUDED ALUMINIUM SUBFRAMES

* Subframes to be constructed from a primed engineered soft wood main frame profiled to match the existing subframe with Duralife® polyester powder coated aluminium extrusions applied externally to match the original timber profiles
* Subframes to be factory assembled
* Timber to be factory finished with 1 coat of Teknos Aquaprimer 2901 + 1 coat Teknos Aquatop 2600 coloured RAL 9911 satin

Table AA

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TYPE OF OPENING LIGHT****Homelight® *Plus*** | **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 PERMISSABLE DEFLECTION, AT (Pa)** |
| Side Hung Open Out | 2000 | 300 | 200 | 2000 |
| Top Hung Open Out | 2000 | 300 | 200 | 2000 |