L10 - WINDOWS

316 STEEL WINDOWS AND DOORS:

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

 - Generally manufactured in accordance with BS 6510.

 - 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.

 - Sightlines for InnerVision® W20 profiles:

Fixed frames – 35 mm (extended leg) / 22 mm (short leg).

Doors – 69 mm (extended leg) / 56 mm (short leg).

Glazing bars (true) – 29 mm (bead glazing)

Glazing bars (applied) – 19 mm / 25 mm – optional profiles available.

 - Galvanising: All components including steel attachments, coupling members and ancillaries to be hot-dipped after manufacture to BS EN ISO 1461:2009.

- Glazing details: Single glass or double-glazing units up to 16.4 mm in thickness, and comprising safety glass in accordance with BS 6262: Part 4.

 Optional range of laminated, toughened, acoustic-laminated, obscured, coloured, and patterned glasses available in single and double-glazed formats.

- Glazing beads: Clip-on polyester powder coated (as frame colour) glazing beads which present no horizontal ledges on which dust and dirt can gather.

- Glazing side: Glazing beads are generally installed on designated ‘interior’ face of interior screens ensuring partitioned spaces have glazing beads on same side, where possible. Glazing to ‘exterior’ face optionally available.

- Glazing method: bead-glazing of single glass or double-glazing units utilising compressible foam glazing tape and silicone cap to glazing leg side, and spacer blocks / silicone capping to bead side.

 - Draftproofing: 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 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 for interior doors include:

Self-aligning non-projecting welded steel hinges - finished as frames, number to suit door size.

Concealed (when closed) overhead friction top arm (90° restricted) per operable leaf.

Kick and/or lock panels in positions indicated on schedule, constructed from insulated extruded aluminium and/or galvanized steel – finished as frames.

Pair of Crittall Classic SS840 lever handles in Roto Tone Dark, or Satin Chrome Plate.

Optional finishes: Antique Black, Gun Metal, Brushed Copper, or Oil Rub Bronze.

Optional premium handles (Deco, Soho, Phoenix, and Berkeley) in a wide range of alternative finishes.

Concealed (when door closed) Crittall Classic B85C bolts top and bottom of first closing leaf (FCL) of double doors, in Roto Tone Dark, or Satin Chrome Plate. Bolt length to suit door height.

Optional finishes: Antique Black, Gun Metal, Brushed Copper, or Oil Rub Bronze.

Standard Threshold bar (40x6mm high galvanized steel – finished as frames), complete with woven pile sweeps inside and outside. Bar may be mounted flush with, on top of, or under finished floor surface.

Optional 100 x 13 mm high accessible ramped extruded aluminum threshold bar in either Satin, Bronze or Black Anodized finish, complete with woven pile sweeps inside and outside. Bar to be mounted onto finished floor surface.

Optional accessories: Acoustic drop-seals, Door closers (face mounted).

* Interior Passage Doors (Corridor, non-lockable) additionally fitted with:

Latch system (no lock) operated by lever handles internally and externally.

* Interior Office Doors (Partitioned-off lockable spaces) additionally fitted with:

Europrofile cylinder mortice lock, with deadlock operated by key to “exterior” (outside office) and cylinder thumbturn to “interior” (inside office); with latch operated by lever handles internally and externally.

Europrofile Crittall Classic SS841 cylinder escutcheons internally and externally in finish to match lever handles.

* Interior Partitioning-Zone doors (lockable, passageway) additionally fitted with:

Europrofile cylinder mortice lock, with deadlock operated by key internally and externally; with latch operated by lever handles internally and externally.

Europrofile Crittall Classic SS841 cylinder escutcheons internally and externally in finish to match lever handles.

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.

 - Gloss level: Standard matt (30% +/- 5%). Optional Satin and Gloss levels available.

 - 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
* Exterior and Interior, perimeter and coupling, sealant is to be a neutral cure low modulus silicone compliant with BS 5889 Type A 1989.