

CRITTALL WINDOWS NBS SPECIFICATION CORPORATE® W20 RANGE



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)
- For air permeability, watertightness 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™ polyester powder coated (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, manufacture, and installation carried out under Quality Management Systems certified to BS EN ISO 9001
- Manufacture is undertaken under an Environmental Management System certified to BS EN ISO 14001

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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 EN ISO 13438
- 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

470 SEALANT:

- Joint surfaces are to be clean, grease / dust free and prepared in accordance with the sealant manufacturer's recommendations
- Glazing top-capping, perimeter sealant and coupling sealant is to be a neutral cure, low modulus silicone compliant with BS 5889 Type A 1989

552 METAL GLAZED SCREENS:

- Screens/coupled assemblies are available, utilising all Crittall ranges
- A full design/advice service is available
- Coupling details; consult Crittall

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Table AA

TYPE OF CORPORATE™ W20 WINDOW OR DOOR	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)
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 (rebated outer frame)	1200	300	100	1200
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				