

6.7 Thermal Insulation

Thermal insulation requirements for the building envelope shall be provided as per Dubai Municipality regulations and shall be subject to the Authority's approval.

6.8 Metal Work General

Grades of metals, section dimensions and properties shall be prescribed in accordance with appropriate British standards. When not specified, grades and sections shall be appropriately for the purpose. Metalwork shall be carefully and accurately fabricated to ensure compliance with design and performance requirements using types, grades and sections of metal appropriate for the purpose. Finished work must be free from distortion and cracks.

6.9 Woodwork General

All woodwork shall generally comply with British standards 1186 parts 1 and 2.

6.10 Doors and Windows

6.10.1 Aluminium alloy windows and screens shall comply with the general requirements of BS 4873. Weather tightness shall be to BS 6375: Part 1 constructed from extruded aluminium sections made from alloy 6063 fully heat treated. Bearing devices, hardware and reinforcing members are to be from material that is corrosion resistant and compatible with aluminium. Weather-stripping is to be made from neoprene or EPDM rubber. Aluminium sections are to have electrostatically applied polyester powder coating or fluoro-polymer finish. Operation and strength characteristics to be to BS 6375: Part 2.

6.10.2 Flush steel doors shall be to BS 6510. Doors are to be flush, watertight, with closed tops and edges and reinforced internally with stiffeners welded and spaced not more than 150 mm over centres. Fire resisting steel doors are to satisfy the requirements of BS 476: Parts 20 and 22.

6.10.3 Wood semi-solid core flush doors are to be to BS 4787 part 1. Wood fire-resisting flush doors are to satisfy the requirements of BS 476: Parts 20 and 22;

6.10.4 Roller Shutters: Comprising curtain of interlocking galvanized steel with electrostatically applied polyester powder coating finish, supplied complete with barrel rollers, helical springs, vertical guides, operating gear for motorized operation, hoods, personnel doors, glazed panels and ventilation slots, as shown on the drawings, and with manufacturer's standard ironmongery, accessories and fixings.

6.10.5 All doors within a facility must be on a master key, a copy of which must be handed over to the Authority.

6.11 Fire Resistance

The specified performance is to be the minimum period attained when tested for integrity in accordance with the relevant parts of the British standard (BS 476), U.L. standards and shall be listed for the intended function and use by an authorized third party approved by the Authority.

6.12 Welfare and Sanitation Requirements in Buildings

6.12.1 Every habitable building must include the provision of sanitary facilities for use of the staff. The facilities must include a minimum of one W.C. for men and one W.C. for women with indirect access to the habitable space.

6.12.2 Minimum requirements for offices and industrial units:

- a. For men: one W.C. and one hand wash basin for every 10 men or part thereof. Or one W.C., one urinal and one hand wash basin for every unit employing 25 persons or more or part thereof.
- b. For women: one W.C. and one hand wash basin for every 10 women or part thereof.

6.12.3 Hot and cold water services shall be provided to hand wash basins.

6.12.4 Drinking water shall be provided from a potable water tap, with one tap per 50 persons as a minimum standard.

6.12.5 Trapped floor gullies or drainage channels shall be provided in toilets and ablution areas to enable all areas to be washed and drained.