

L20 **Doors**

To be read with preliminaries/ general conditions.

101 **MOJO standards**

- 1.0 All internal door sets (frame, door leaf, hardware, seals) to be provided as a factory hung set (one entity), with all necessary fire and acoustic certifications. Vision panel sizes to be in accordance with all test certification.

General

110 **Evidence of performance**

- 1.0 Certification: Provide independently certified evidence that all incorporated components comply with specified performance requirements.

112 **Timber procurement**

- 1.0 Timber (including timber for wood-based products): Obtained from well-managed forests and/ or plantations in accordance with:
- 1.1 The laws governing forest management in the producer country or countries.
- 1.2 International agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).
- 2.0 Documentation: Provide either:
- 2.1 Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied.
- 2.2 Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood-based products.
- 3.0 Certification scheme: N/A
- 3.1 Other evidence: None

115 **Fire resisting and smoke control pedestrian doors/ door assemblies/doorsets**

- 1.0 Door products: As defined in BS EN 12519.
- 2.0 Evidence of fire performance: Provide certified evidence, in the form of a product conformity certificate, directly relevant fire test report or engineering assessment, that each door/ door assembly/ doorset supplied will comply with the specified requirements for fire or smoke resistance if tested to BS 476-22, BS EN 1634-1 or BS EN 1634-3. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals.
- 3.0 Components, assemblies or sets will be marked to the relevant product standard and/ or third party certification rating.

120 **Non fire resisting pedestrian doors/ door assemblies/ doorsets**

- 1.0 Provide certified evidence, in the form of a product conformity certificate or engineering assessment, that each door/ doorset/ assembly supplied will comply with the specified requirements to BS EN 14351-1. Such certification must cover door and frame materials, glass and glazing materials and their installation, essential and ancillary ironmongery, hinges and seals.
- 2.0 Components and assemblies will be marked to the relevant product standard and/ or third party certification rating.

150 **Site dimensions**

- 1.0 Procedure: Before starting work on designated items take site dimensions, record on shop drawings and use to ensure accurate fabrication.
- 2.0 Designated items: All doors

Products

430 **Wood doorsets and wooden glazed screens**

- 1.0 Description: New doorsets as per architectural drawings
- 2.0 Materials: Generally to BS EN 942.
- 3.0 Door leaf
- 3.1 Core: Solid core
- 3.2 Facings: Interior grade plywood
- 3.4 Finish as delivered: Paint grade
- 4.0 Frame and architraves: MDF
- 5.0 Preservative treatment: Required
- 6.0 Glazing/ Infill details: Vision panels to be clear non-wired

6.1	Manifestation:	N/A
6.2	Beading:	Beading to match door leaf
7.0	Moisture content on delivery:	9-13%.
8.0	Ironmongery:	As per schedule. Contractor to provide proposals for review by client
9.0	Perimeter seals:	As per door schedule
10.0	Fixing:	As recommended by manufacturer
11.0	Fire Performance:	Refer to 32 Series and 68 Series drawings

Execution**710 Protection of components**

- 1.0 General: Do not deliver to site components that cannot be installed immediately or placed in clean, dry, floored and covered storage.
- 2.0 Stored components: Stacked on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads, etc.

730 Priming/ sealing

- 1.0 Wood surfaces inaccessible after installation: Primed or sealed as specified before fixing components.

750 Fixing doorsets

- 1.0 Timing: After associated rooms have been made weathertight and the work of wet trades is finished and dried out.

790 Fixing of wood frames

- 1.0 Spacing of fixings (frames not predrilled): Maximum 150 mm from ends of each jamb and at 600 mm maximum centres.

809 Fire resisting and smoke control doors/ door assemblies/ doorsets/ roller shutters and curtains – accredited installer

- 1.0 Installation: By a firm currently registered under a third party accredited fire door installer scheme in accordance with instructions supplied with the product conformity certificate, test report or engineering assessment.

810 Fire resisting and smoke control doors/ door assemblies/ doorsets/ roller shutters and curtains – contractor installed

- 1.0 Gaps between frames and supporting construction: Filled as necessary in accordance with requirements for certification and/ or door/ doorset manufacturer's instructions.

830 Fixing ironmongery generally

- 1.0 Fasteners: Supplied by ironmongery manufacturer.
- 1.1 Finish/ Corrosion resistance: To match ironmongery.
- 2.0 Holes for components: No larger than required for satisfactory fit/ operation.
- 3.0 Adjacent surfaces: Undamaged.
- 4.0 Moving parts: Adjusted, lubricated and functioning correctly at completion.

840 Fixing ironmongery to fire resisting door assemblies

- 1.00 General: All items fixed in accordance with door leaf manufacturer's recommendations ensuring that integrity of the assembly, as established by testing, is not compromised.
- 2.00 Holes for through fixings and components: Accurately cut.
- 2.10 Clearances: Not more than 8 mm unless protected by intumescent paste or similar.
- 2.20 Lock/ Latch cases for fire doors requiring: > 60 minutes integrity performance: Coated with intumescent paint or paste before installation.

850 Location of hinges

- 1.0 Primary hinges: Where not specified otherwise, positioned with centre lines 250 mm from top and bottom of door leaf.
- 2.0 Third hinge: Where specified, with centre line 250 mm below centre line of top hinge
- 3.0 Hinges for fire resisting doors: Positioned in accordance with door leaf manufacturer's recommendations.

860 Installation of emergency exit devices

- 1.0 Standard: Unless specified otherwise, install panic bolts/ latches in accordance with BS EN 1125.