

L20

Doors/ shutters/ hatches

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TO BE READ WITH PRELIMINARIES/ GENERAL CONDITIONS. TO BE READ IN CONJUNCTION WITH THE FOLLOWING

- **DOOR & PARTITIONS - WBL-TMP-01-GF-DR-A-220440 - WBL-TMP-SW-ZZ-DR-A-320496**
- **DOOR SCHEDULE - WBL-TMP-04-ZZ-SH-A-720625**
- **IRONMONGERY SCHEDULE - WBL-TMP-04-ZZ-SH-A-720610**

GENERAL

110 EVIDENCE OF PERFORMANCE

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

112A TIMBER PROCUREMENT

- Timber (including timber for wood-based products): Obtained from well-managed forests and/ or plantations in accordance with:
 - The laws governing forest management in the producer country or countries.
 - International agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).
- Documentation: Provide either:
 - Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied.
 - Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood-based products.
- Certification scheme: 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 .

115 FIRE RESISTING DOORS/ DOOR ASSEMBLIES/ DOORSETS

- Door products: As defined in BS EN 12519.
- 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.
- Components, assemblies or sets will be marked to the relevant product standard and/ or third party certification rating.

120 NON FIRE RESISTING DOORS/ DOOR ASSEMBLIES/ DOORSETS

- 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.
- Components and assemblies will be marked to the relevant product standard and/ or third party certification rating.

150 SITE DIMENSIONS

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

170 CONTROL SAMPLES

- Procedure:
 - Finalize component details.
 - Fabricate one of each of the following designated items as part of the quantity required for the project.
 - Obtain approval of appearance and quality before proceeding with manufacture of the remaining quantity.
- Designated items: All provides to be supplied.

PRODUCTS

215A GLASS DOORSET - PODIUM LEVEL URBAN JUNGLE Refer to drawing WBL-TMP-04-01-DR-A-320480

- Manufacturer: Planet Partitioning.
 - Web: www.planetpartitioning.co.uk.
 - Email: info@planetpartitioning.co.uk.
 - Product reference: Planet FireTec Integrity and Insulation Door System .
- Configuration: Double leaf.
- Size (w x h): As per door drawings listed above .
- Fire resistance of complete system (to BS 476-22): Ei60.
- Finish/ Colour: Polyester Powder Coated RAL (9010).
- Closing operation: Surface mounted overhead closer or Floor spring.
- Locking: Salto lock to frame.
- Manifestation: To architect's/ interior designer's choice and in accordance with the requirements of Approved Document K: Not Applicable.
- Accessories: -Sidelights
 - Secondary support system to allow independent structural installation (Subject to concrete floors)
 - Loft glazing bars
 - Push Plates
 - Salto lock to frame .

230A WOOD FLUSH DOORS - FD60 (TIMBER FRAME AND ARCHITRAVES)

REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

(FSPEC02) Specification Forza First FD60(S) Timber Internal Flush Doors- Or similar approved

Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.

Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com

- Or similar approved.

- Product reference: A (single leaf) & B (double equal leaves).
Facings: Three layer wood particleboard high performance door core conforming to BS EN 312-2(typep2) Composition L softwood(Spruce, Pine, Larch) with hardwood(Birch, Chestnut) and sawmill residue/recycled wood fibre.
Average bulk density 630kgs/m3
Weight 54mm; Nom 34kgs/m2.
Lippings: Concealed .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Refer to drawings listed above.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: Refer to Ironmongery Schedule.

230B WOOD FLUSH DOORS - NON FIRE RATED (CONCEALED TIMBER FRAME)

REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

Non-Fire Door

- Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.
Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com
- **Or similar approved.**
- Product reference: A (single leaf) and B (double equal leaves). Refer to Door Detail drawings as listed above.
Facings: primed coat (FPC) for painting by others
Three layer wood particleboard high performance door core conforming to BS EN 312-2 (typep2)
Composition L softwood (Spruce, Pine, Larch) with hardwood (Birch, Chestnut) and sawmill
Residue/recycled wood fibre.
Average bulk density 44mm: 540-630kgs/m3, 54mm: 630Kgs/m3
Weight 44mm: Nom 27kgs/m2, 54mm: Nom 34Kgs/m2.
- Lippings: Concealed .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Not required.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: Refer to Ironmongery Schedule.

230C WOOD FLUSH DOORS - NON FIRE RATED (TIMBER FRAME AND ARCHITRAVES)
REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

[Non-Fire Door]

- Contractor proposal.
 - Product reference: [Single or double equal leaves. Refer to Door Detail drawings as listed above].
 - Facings: [primed coat (FPC) for painting by others
 - 44m Solid Core.
- Lippings: [Concealed].
- Preservative treatment: [Required].
- Finish as delivered: [Full paint system, as section M60. Paint Finish to match Door Schedule].
- Glazing/ Infill details: [Not applicable].
 - Manifestation: [Not applicable].
 - Beading: [Not required].
- Thermal performance (U-value maximum): [Manufacturer's standard].
- Other requirements: [Refer to Ironmongery Schedule].

230E WOOD FLUSH DOORS - FD30 (CONCEALED TIMBER FRAME)
REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

FD30S FIRE RESISTING AND SMOKE CONTROL

Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.

Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com

- **Or similar approved.**

- Product reference: A (single leaf) & B (double equal leaves).
 - Facings: primed coat (FPC) for painting by others
 - Three layer wood particleboard high performance door core conforming to BS EN 312-2 (typep2)
 - Composition L softwood (Spruce, Pine, Larch) with hardwood (Birch, Chestnut) and sawmill
 - Residue/recycled wood fibre.
 - Average bulk density 44mm: 540-630kgs/m3, 54mm: 630Kgs/m3
 - Weight 44mm: Nom 27kgs/m2, 54mm: Nom 34Kgs/m2.
 - Lippings: Concealed .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Refer to drawings listed above.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: Refer to Ironmongery Schedule.

230F WOOD FLUSH DOORS - FD30 (TIMBER FRAME AND ARCHITRAVES)

REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

FD30S FIRE RESISTING AND SMOKE CONTROL

Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.

Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com

- Or similar approved.

- Product reference: A (single leaf) & B (double equal leaves).
 - Facings: primed coat (FPC) for painting by others
 - Three layer wood particleboard high performance door core conforming to BS EN 312-2 (typep2)
 - Composition L softwood (Spruce, Pine, Larch) with hardwood (Birch, Chestnut) and sawmill
 - Residue/recycled wood fibre.
 - Average bulk density 44mm: 540-630kgs/m³, 54mm: 630Kgs/m³
 - Weight 44mm: Nom 27kgs/m², 54mm: Nom 34Kgs/m².
 - Lippings: Concealed .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Glazing/ Infill details: Not applicable.
 - Manifestation: Not applicable.
 - Beading: Refer to drawings listed above.
- Thermal performance (U-value maximum): Manufacturer's standard.
- Other requirements: Refer to Ironmongery Schedule.

310A WOOD DOOR FRAMES FD60 (TIMBER FRAME) AND ARCHITRAVES FD60 FIRE RESISTING AND SMOKE CONTROL

REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.

Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com

- Or similar approved.

- Product reference: Contractor's choice.
- Species: hardwood /softwood to comply with performance and appearance required .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Perimeter seals: Fire and smoke seal.
- Thermal performance: Manufacturer's standard.
- Fixing: Plugged and screwed as section Z20 .

310B WOOD DOOR FRAMES NON FIRE RATED (CONCEALED TIMBER FRAME) .

REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

- Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.
- Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com
- Or similar approved.
 - Product reference: Contractor's choice.
- Species: hardwood /softwood to comply with performance and appearance required .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Perimeter seals: Not required.
- Thermal performance: Manufacturer's standard.
- Fixing: Plugged and screwed as section Z20 .

310C WOOD DOOR FRAMES NON FIRE RATED (TIMBER FRAME) AND ARCHITRAVES

- Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
- Species: hardwood /softwood to comply with performance and appearance required .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Perimeter seals: Not required.
- Thermal performance: Manufacturer's standard.
- Fixing: Plugged and screwed as section Z20.

310D WOOD DOOR FRAMES FD30 (TIMBER FRAME) AND ARCHITRAVES FD30S FIRE RESISTING AND SMOKE CONTROL
REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

- Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
- Species: hardwood /softwood to comply with performance and appearance required .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Perimeter seals: Not required.
- Thermal performance: Manufacturer's standard.
- Fixing: Plugged and screwed as section Z20.

310E WOOD DOOR FRAMES FD30 (CONCEALED TIMBER FRAME) FD30S FIRE RESISTING AND SMOKE CONTROL
REFER TO DOOR SCHEDULES AND DRAWINGS LISTED ABOVE

Manufacturer: Forza Doors Limited - 24a/24c Star Road Trading Estate, Star Road, Partridge Green, Horsham, West Sussex, RH13 8RA, England, UK.

Telephone: +44 (0)1403 711126, Fax: +44 (0)1403 711229, Email: sales@forza-doors.com

- Or similar approved.

- Product reference: Contractor's choice.
- Species: hardwood /softwood to comply with performance and appearance required .
- Preservative treatment: Required.
- Finish as delivered: Full paint system, as section M60. Paint Finish to match Door Schedule.
- Perimeter seals: Fire and smoke seal.
- Thermal performance: Manufacturer's standard.
- Fixing: Plugged and screwed as section Z20.

570A SLIDING AND FOLDING ACOUSTIC WALL SYSTEM

REFER TO DRAWING:

- Manufacturer: London Wall Design Ltd.
 - Web: www.londonwall.co.uk.
 - Email: info@londonwall.co.uk.
 - Product reference: Type 200
- Partition assembly: See drawing WBL-TMP-04-01-DR-A-320488 AND DOOR SCHEDULE.
- Track:
 - Track layout: Centrefold, bi-parting.
 - Track type: Ceiling guide track with SAA floor rail for bottom running.
- Ceiling track and wall jamb finish: Refer to Door Schedule.
- Panel:
 - Type: Solid Panel.
 - Panel finish: Laminate as per door schedule.
 - Panel vertical edge finish: as per door schedule.
 - Panel end inserts: Finished to match panel face.
 - Leading panel pass door fittings: Flush pull handle and roller catch with lock.
- Acoustic insulation: Refer to Partitions drawings as Listed above.

EXECUTION

710 PROTECTION OF COMPONENTS

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

730 PRIMING/ SEALING

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

740 CORROSION PROTECTION

- Surfaces to be protected: REFER TO WATERPROOFING PACKAGE .
- Protective coating: Two coats of bitumen solution to BS 6949 or an approved mastic impregnated tape.
 - Timing of application: Before fixing components.

750 FIXING DOORSETS

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

760 BUILDING IN

- General: Not permitted unless indicated on drawings.

770 DAMP PROOF COURSES ASSOCIATED WITH BUILT IN WOOD FRAMES

- Method of fixing: To backs of frames using galvanized clout nails.

780 DAMP PROOF COURSES IN PREPARED OPENINGS

- Location: Correctly positioned in relation to door frames. Do not displace during fixing operations.

790 FIXING OF WOOD FRAMES

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

- 800 **FIXING OF LOOSE THRESHOLDS**
- Spacing of fixings: Maximum 150 mm from each end and at 600 mm maximum centres.
- 809 **FIRE RESISTING/ SMOKE CONTROL DOORS/ DOORSETS/ ROLLER SHUTTERS/ CURTAINS**
- 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/ SMOKE CONTROL DOORS/ DOORSETS/ ROLLER SHUTTERS/ CURTAINS**
- 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**
- Fasteners: Supplied by ironmongery manufacturer.
 - Finish/ Corrosion resistance: To match ironmongery.
 - Holes for components: No larger than required for satisfactory fit/ operation.
 - Adjacent surfaces: Undamaged.
 - Moving parts: Adjusted, lubricated and functioning correctly at completion.
- 840 **FIXING IRONMONGERY TO FIRE RESISTING DOOR ASSEMBLIES**
- 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.
 - Holes for through fixings and components: Accurately cut.
 - Clearances: Not more than 8 mm unless protected by intumescent paste or similar.
 - Lock/ Latch cases for fire doors requiring \geq 60 minutes integrity performance: Coated with intumescent paint or paste before installation.
- 860 **INSTALLATION OF EMERGENCY EXIT DEVICES**
- Standard: Unless specified otherwise, install panic bolts/ latches in accordance with BS EN 1125.