



Technical specification document

No: Chilt/P03037/tec1

Performance testing to PAS 23-1: 1999 and PAS 24-1: 1999

Leods Contracts Ltd. Unit 5 Broomfield Ind. Estate, Folly Hall, Huddersfield HD1 3PA

Description of construction

The specimens were identified as LAMINCORE door leaf and timber frame with overall frame dimensions of 938mm wide x 2070mm high x 95mm deep and leaf dimensions of 833mm wide 1977mm high x 44mm thick. The specimens were locked with a non removable key.

Door leaves

		Material/type	Dimensions (mm)	Density (kg/m ³)
Core		Albisia falcata	3No sheets 12 thick	280*
Facings		Plywood	4 thick	650*
Adhesive	Facing	Polyvinyl Acetate	-	-
Lippings		Light red Meranti - all faces	10 thick	400 - 510*
Finish		Sikens 045 Mahogany stain	-	-

* Stated density, not checked by laboratory

** Nominal density

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Door frame

	Material/type	Dimensions (mm)	Density (kg/m ³)
Head & jambs	Meranti	95 wide x 70 thick	400***
Stops	Integral	45 wide x 20 deep	-
Threshold	Meranti	145 wide x 46 thick	400***
Joint	Mortice and tenon with 2No 5mm x 100 wood screws at each joint	-	-
Adhesive	Pro 30 D Fudal Din EN204	-	-

* Stated density not checked by laboratory ** Nominal density *** Density measured by laboratory

Ironmongery Set 1

		Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges		Lloyd Worrall No. 899 double pressed butt hinges	100 high x 30 wide (blade size)	4No 5 x 44 wood screws per blade
Locking mechanism		Mul-T-Lock ref ML240	250 high x 23 wide	2No 4 x 50 wood screws
Keeps	Upper	Supplied with lock	100 x 25	2No 4 x 30 wood screws
	Lower	Drilled through threshold plate	-	-
Centre		Supplied with lock	250 high x 30 wide	4No 4 x 30 wood screws
Handles		Mul-T-Lock Junior	127 lever length 30 Diameter	6No 6 x 50 machine screws
Cylinder		Mul-T-Lock European profile ref 51102134	-	2No 8 x 32 machine screws and lock nuts
Hinge bolts		ERA security bolt ref. 740-52	16 long x 12 diameter	Fitted by integral push fitting barbed bolt into door leaf
Threshold		Base plate non ferrous	31 wide x 3 thick x 1930 long	4 x 30 wood screws at 50 from corners and 100 centres



Ironmongery Set 2

		Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges 4 No		Rad Dog bolt SSS	100 high x 76 wide (blade size)	8 No 10 x 30 wood screws per blade
Locking mechanism		Mul-T-Lock	250 high x 23 wide	2No 4 x 50 wood screws
Keeps	Upper	Supplied with lock AA33CP	100 x 25	2No 4 x 30 wood screws
	Lower	Supplied with lock AA33CP	-	-
Centre		Supplied with lock ESB 5030/CT/SSS	250 high x 30 wide	4No 4 x 30 wood screws
Handles		SW 123 SSS	127 lever length 30 Diameter	6No 6 x 50 machine screws
Threshold		Base plate non ferrous	31 wide x 3 thick x 1930 long	4 x 30 wood screws at 50 from corners and 100 centres
Chain		IH.DCH.01	75 x 25	6No 7 x 25 wood screws



Perimeter sealing details

		Make/type	Size (mm)	Location
Door edges		Schlegel Qlon blade seal	8 blade length	Perimeter of the external door frame
Frame reveal	Head & jambs	None fitted	-	-
	Threshold	High impact PVC with flexible blade seal from Lloyd Worrall ref. TSB	12 high x 5 wide upstand 10 blade length	Push fitted into the threshold
Seal continuity		Seals uninterrupted by hardware	-	-

Glazing

		Make/type/size (mm)	Location
Glass type & configuration		4 thick toughened glass	-
Overall aperture size		165 wide x 370 high	-
Sight size		125 wide x 325 high	Centre of door leaf 250 from the top edge
Sealants		Dow Corning mastic ref 796	Between glass and bead
Glazing bead		26 wide x 15 high with 10° chamfer and 7 x 7 bolection return	Both internal and external face
Bead fixing	Internal	30 long steel glazing pins	Nominal 50 from corners and 50 centres
	External	4 x 32 security wood screws	Nominal 50 from corners and 50 centres