

Certificate of Product Approval

Certificate Number: 1607a

Issue: 01

Fort Engineering Ltd

Unit E
Bramingham Business Park
Enterprise Way
Luton
LU3 4BU
United Kingdom

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) as detailed below:

Products

Fire Doorsets

Fort 001

Fort 002 LP2S

Standards

LPS1056-6.2

Requirements for the LPCB approval and listing of fire doorsets, lift landing doors and shutters

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd.

Mark Newton

Certification Scheme Manager

05 November 2020

Date of Issue

05 November 2020

Date of First Issue



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BRE Global Ltd, Garston, Watford, WD25 9XX

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Issue: 01

Table 1

Product Name	Leaf type	Maximum Leaf Size			Filling/Glazing	Fire Resistance EN1634-1	LPCB Ref. No.
		Height (mm)	Width (mm)	Area (m ²)		Classification to EN13501-2	
Fort 001	Insulated, single, hinged, active leaf	2100	1000	2.10	No	El ₂ 30	1607a/01
Fort 002LP2S	Insulated, single, hinged, active leaf	2100	1000	2.10	No	El ₂ 30	1607a/02

Notes:

1. LPCB Ref 1607a/01 and 1607a/02– The door-set systems to be manufactured and installed to the manufacturer specification - Fort 001Rev 5, Fort 002LP2S Rev 5 and as detailed in Test Report no P100233-1002 issue 2.
2. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - The supporting construction of a light-gauge steel framed, plasterboard partition minimal thickness 122mm. A light gauge steel framed partition comprising Speedline SPT94 Track (32mm x 94mm x 32mm-deep x 0.5mm-thick), Speedline SPS92 Standard C-stud (32mm x 92mm x 34mm x 0.5mm-thick), and 12.5mm-thick Knauf Fire Panel taper-edged plasterboard.
3. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - Door frame - nominally 2100mm high x 1000mm wide, constructed from 1.5mm-thick x 55mm-wide x 80mm-deep folded steel and incorporated a nominal 18mm-wide x 15mm-deep rebate and supplied with a white painted, decorative finish. Maximum aperture is nominally 2110mm high x 1015mm. The frames comprising vertical jambs and horizontal head section welded together, should be mounted within the supporting construction (partition wall), screw fixed through the timber filled light gauge steel studs of the partition using a total of eight M6 screw fixings (660mm nominal centres), four fixings per jamb. The frame is insulated 12.5mm-thick GTEC Siniat Standard Board plasterboard and 50mm-thick mineral wool insulation (Rockwool RWA45 Slab insulation).

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4. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - The door leaves, nominally 2059mm high x 934mm wide x 75.5mm thick is constructed from 1.5mm-thick steel U-channel sections welded together to form a leaf frame. The outer face of the leaf frame is backed with a single layer of 1.5mm-thick flat sheet steel, and the leaf in-filled with 50mm-thick mineral wool insulation (Rockwool RWA45 Slab insulation). The surfaces of the leaf frame are covered with 12mm-thick MDF veneer surface finish, though due to the profile of the veneer, the thickness of the wood varied between 7mm – 12mm to both faces of each leaf. Decorative laminates and timber veneers up to 1.5mm thickness may be added to the faces (but not the edges) of doors.
5. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - Additional strips of Rockwool should be used to fill gaps between the frame and partition prior to the application of a Marvon Tecnoflame sealant gunned around the perimeter edges of the frames, both door-set faces.
6. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - Each door-set furniture:
 - A three point, mortised 'Fiam – ISEO 678G' locking system;
 - Cylinder lock ('ISEO R6 Plus');
 - Two Assa Abloy 3278 110mm long stainless-steel butt hinges. The top hinge was located 165mm below the top edge of the leaf, the bottom hinge was located 200mm above the door threshold. The hinges were fixed to the frame via four M5 bolts;
 - Two stainless steel, levered door handles Algarve V7210, located 950mm above the threshold of the leaf, 111mm from the lock-side edge of the leaf.
 - One eyespot / spyhole Pedret GEN Chrome 38, 2752GEN38-70MC, located down the centre of the leaf, 1500mm above the threshold of the leaf.
 - Smith & Locke Contract Overhead Door Closer, SKU 870G (185mm-long x 45mm-deep x 67mm-wide).
7. LPCB Ref 1607a/01 and LPCB Ref 1607/02 – self – closing has not been determined.
8. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - Unlimited size reduction is permitted for all types except insulated metal doors where a reduction to 50% width and 75% height of the tested specimen is the limit of variation. Size increase is not permitted.

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9. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - The number of hinges and dog bolts may be increased but shall not be decreased.
10. LPCB Ref 1607a/01 and LPCB Ref 1607/02 - The number of any movement restrictors such as locks, latches are not covered by this certificate.
11. Manufacturing site:
Fort Engineering Ltd (LPCB 1607),
Unit E,
Bramingham Business Park,
Enterprise way,
Luton,
LU3 4BU

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