

Certificate of Product Approval

Certificate Number: 1097f

Issue: 01



Premier SS Ltd

Unit 2
19-21 Roebuck Road, Hainault Business Park
Essex
IG6 3TU
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

Premier Fire Rated Fully Glazed
Premier Fire Rated Solid
Premier Fire Rated Louvre 1
Premier Fire Rated Louvre 2

Standards

LPS1056: Issue 6.2

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

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Signed for BRE Global Ltd.

Mark Newton
Certification Scheme Manager

09 October 2020
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Table 1. Premier fire rated door-set

Product Name	Leaf type	Maximum opening size			Filling/Glazing	Fire Resistance	LPCB Ref. No.
		Height (mm)	Width (mm)	Area (m ²)		Classification to EN13501-2	
Premier Fire Rated Fully Glazed	Single active leaf, hinged, glazed	2547	1311	3.03	One layer of 6mm-thick Hammerglass (902mm x 1962mm) and one layer of Pyroguard T-EI60 33mm-thick fire-rated glass (905mm x 1965mm)	EI60-C0	1097f/01
Premier Fire Rated Fully Glazed	Single active leaf, hinged, glazed	2547	1311	3.03	One layer of 6mm-thick Hammerglass (902mm x 1962mm) and one layer of Pyroguard T-EI60 33mm-thick fire-rated glass (905mm x 1965mm)	E90-C0	1097f/01
Premier Fire Rated Solid	Single active leaf, hinged, insulated,	2490	1311	2.96	2mm steel sheet against the lip, two layers of 12.5mm Fermacell fire board, two layers of 10mm Fermacell fire board and a 1mm steel sheet	EI60-C0	1097f/02
Premier Fire Rated Louvre 1	Single active leaf, hinged, louvered	2215	1140	2.53	A 1801mm x 891mm Premier Fire Grille ('Dufaylite Fireblock Ultra fire grille')	E60-C0	1097f/03
Premier Fire Rated Louvre 2	Single active leaf, hinged, louvered	2490	1334	3.01	Two 600mm x 600mm x 38mm-deep Premier Fire Grille (Dufaylite Fireblock Ultra fire grille). The remaining opening between Premier Fire Grille is filled 2mm steel sheet against the lip, two sheets of 12.5 mm Fermacell board and one sheet of 1mm steel fitted from the exposed face	E90-C0	1097f/04

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Table 2. Premier fire rated door-set construction

1097f/01	1097f/02	1097f/03	1097f/04
Drawing 5720 Rev B Fire Test Door 1 dated 26 Nov 2019. Drawing 5721 Rev B Fire Test Door 2 dated 26 th Nov 2019. Test Report no P114223-1000 issue 1	Drawing 5722 Rev B Fire Test Door 3 dated 17 th Dec 2019. Drawing 5723 Rev B Fire Test Door 4 dated 17 th Dec 2019 Test Report P114223-1002 issue 1	Drawing 5725 Rev B Fire Test Door 6 dated 17 th Dec 2019. Test Report P114223-1001 issue 1	Drawing 5724 Rev C Fire Test Door 5 dated 17 th Dec 2019. Test Report P114223-1001 issue 1

Table 3. Approved hardware and accessories

Door Furniture	1097f/01	1097f/02	1097f/03	1097f/04
Hinges	Charmag 4x175mm long "Weld On 3D Adjustable" lift-on / lift-off stainless-steel hinges, with one half of the hinge welded to the outer frame and the other half of the hinge welded to the frame of the door leaf.	Charmag 4x175mm long "Weld On 3D Adjustable" lift-on / lift-off stainless-steel hinges, with one half of the hinge welded to the outer frame and the other half of the hinge welded to the frame of the door leaf.	Charmag 4 x 175mm long "Weld On 3D Adjustable" lift-on / lift-off stainless-steel hinges, with one half of the hinge welded to the outer frame and the other half of the hinge welded to the frame of the door leaf.	Charmag 4 x 175mm long "Weld On 3D Adjustable" lift-on / lift-off stainless-steel hinges, with one half of the hinge welded to the outer frame and the other half of the hinge welded to the frame of the door leaf.
Handle	1x9" Secret Fix stainless-steel, Acorn Pull D Handle located at nominal mid-height of the exposed face of the door leaf.	Rondo series BKS Lever handle on the exposed face for the open in door and on the unexposed face for the open outdoor.	1x9" Secret Fix stainless-steel, Acorn Pull D Handle located at nominal mid-height of the door leaf frame located on the unexposed face of the leaf. Rondo series BKS Lever handle on the exposed face	1 x 9" Secret Fix stainless-steel, Acorn Pull D Handle located at nominal mid-height of the door leaf frame located on the unexposed face of the leaf. Rondo series BKS Lever handle on the exposed face

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Door Furniture	1097f/01	1097f/02	1097f/03	1097f/04
Lock	Two IGEM 5000S Magnalock: A "fail-safe" electromagnetic locking system comprising of an electromagnet (nominally 224mm-long x 64mm-wide) and an armature plate, with the electromagnet part of the lock housed within a 2160mm-long section of 90 x 50 x 3.6mm-thick rectangular hollow section steel, forming part of the outer frame. The two locking systems are located at nominal 1296mm centres, with one locking system located nominally 410mm centre above the base of the blockwork aperture.	BKS SECURY 1910 3-point lock comprising of a Euro cylinder and thumb turn with Rondo series BKS Lever handle on the exposed face	BKS SECURY 1910 3-point lock comprising of a Euro cylinder and thumb turn with Rondo series BKS Lever handle on the exposed face	Two IGEM 5000S Magnalock: A "fail-safe" electromagnetic locking system comprising of an electromagnet (nominally 224mm-long x 64mm-wide) and an armature plate, with the electromagnet part of the lock housed within a 2165mm-long section of 90 x 50 x 3.6mm-thick rectangular hollow section steel, forming part of the outer frame. A "fail-safe" system requires power for the device to remain locked. The two locking systems are located nominally at 1296mm centres, with one locking system located nominally 410mm above the base of the blockwork aperture measured to the centre of the magnet.
Door closer	Tormax 1201 Automatic overhead door closer 640mm-long x 128mm-deep-85mm high	Dorma TS93 overhead door closer, nominally 275mm-long x 53mm-deep x 60mm-high	Dorma TS93 overhead door closer, nominally 285mm-long x 62mm-deep x 71mm-high	Dorma TS93 overhead door closer, nominally 285mm-long x 62mm-deep x 71mm-high

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Notes:

1. LPCB Ref 1097f/01, 1097f/02, 1097f/03 and 1097f/04 – The door-set systems to be manufactured and installed to the manufacturer specifications as detailed in Test Report no's P114223-1000 issue 1, P114223-1001 issue 1, P114223-1002 issue 1, Classification Report no's P117350-1000A issue 1, P117350-1000B issue 1, P117350-1000C issue 1, P117350-1000D issue 1, P117350-1000E issue 1, P117350-1000F issue 1 and installation instructions.
2. LPCB Ref 1097f/01, 1097f/02, 1097f/03 and 1097f/04 - The supporting construction of 150mm-deep aerated concrete blockwork wall (3.6N/mm² stated concrete block strength / nominal stated density 600kg/m³).
3. LPCB Ref 1097f/01, 1097f/02, 1097f/03 and 1097f/04- The door-set construction – see table 2.;
4. LPCB Ref 1097f/01– Anchor fixing the outer frame was secured through the supporting construction using five Fischer F10 M 132 (10mm-diameter x 132mm-long) metal sleeved fixings per jamb and three Fischer F10 M 182 (10mm-diameter x 182mm-long) metal sleeved fixings per head frame.
5. LPCB 1097f/02, 1097f/03 and 1097f/04 – Anchor fixing the outer frame was secured through the supporting construction using five Fischer F10 M 132 (10mm-diameter x 132mm-long) metal sleeved fixings per jamb and three Fischer F10 M 132 (10mm-diameter x 132mm-long) metal sleeved fixings per head frame.
6. LPCB 1097f/01, 1097f/02, 1097f/03 and 1097f/04 - The gap between the head frame member and the supporting construction should be filled to the depth of the frame with 38mm-thick x 96kg/m³ Insulfrax LTX alkaline earth silicate (AES) blanket insulation and then sealed with a nominal 5mm-thick layer of Dowsil 700 Firestop high movement silicone sealant (Black), gunned over the surface of the Insulfrax blanket insulation, on both faces of the door frame. The gap between the vertical frame members (jambs) and the supporting construction filled to the depth of the frame with Rockwool RW5 insulation, supplied in slabs 600mm-wide x 1200mm-long x 50mm-thick, cut to size and inserted (push-fit) within the gap, and then sealed with a nominal 5mm-thick layer of Dowsil 700 Firestop high movement silicone sealant (Black), gunned over the surface of the Rockwool RW5 insulation, on both faces of the door frame.
7. LPCB 1097f/01, 1097f/02, 1097f/03 and 1097f/04 - Athmer Stadi 24/20 drop down seal fitted to the underside of each leaf.
8. LPCB 1097f/01, 1097f/02, 1097f/03 and 1097f/04- Each door-set furniture – see table 3. Approved hardware and accessories.
9. LPCB Ref 1097f/01, 1097f/02, 1097f/03 and 1097f/04 – self – closing has not been determined.
10. LPCB 1097f/01, 1097f/02, 1097f/03 and 1097f/04 - 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.
11. LPCB 1097f/02, 1097f/03 and 1097f/04 - Size increase is permitted only for those which are required to satisfy integrity or integrity and insulation and then only up to:15% height, 15% width and 20% area.
12. LPCB Ref 1097f/01 - The type of glass and the edge fixing technique, including type and number of fixings per metre of perimeter, shall not be changed from those tested. The number of glazed apertures and each of the dimensions (width and height) of glass in each pane included within a test specimen may be: decreased in proportion with size reductions; or decreased by a maximum of 25 % for integrity only and for insulation

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specimens where the unexposed surface temperature for both the construction and the glazing have been maintained for the classification period. The number of glazed apertures and each of the dimensions of glass in each pane included within a test specimen shall not be increased. The distance between the edge of glazing and the perimeter of the door leaf shall not be reduced from those incorporated in test specimens. Other positioning within the door can only be modified if this does not involve the removal or re-positioning of structural members relative to the glazing.

13. LPCB Ref 1097f/01, 1097f/02, 1097f/03 and 1097f/04 - The number of hinges and dog bolts may be increased but shall not be decreased.
14. Where the paint finish is not expected to contribute to the fire resistance of the door, alternative paints are acceptable and may be added to door leaves or frames for which unfinished test specimens were tested. Decorative laminates and timber veneers up to 1.5mm thickness may be added to the faces (but not the edges) of doors that satisfy the insulation criteria (normal or supplementary procedure). Decorative laminates and timber veneers in excess of 1.5mm thickness shall be tested as part of the test specimen.
15. LPCB Ref 1097f/01, 1097f/02, 1097f/03 and 1097f/04 - For smaller doorset sizes the relative positioning of movement restrictors (e.g. hinges and latches) shall remain the same as tested or any change to the distances between them will be limited to the same percentage reduction as the decrease of test specimen size. For larger doorset sizes the following shall also apply: the height of the latch above floor level shall be equal to or greater than the tested height, and such increase in height shall be at least proportional to the increase in door height; the distance of the top hinge from the top of door leaf shall be equal to or less than that tested; the distance of the bottom hinge from bottom of door leaf shall be equal to or less than that tested.
16. Manufacturing site: Premier SS Ltd, Unit 2, 19-21 Roebuck Road, Hainault Business Park, Hainault, Essex, IG6 3TU

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