

Certificate of Product Approval

Certificate Number: 312f

Issue: 03

Bradbury Security

Dunlop Way
Queensway Industrial Estate
Scunthorpe
DN16 3RN

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) detailed below:

Products

M2M²
hinged security doorsets

Standard

LPS 1175: Issue 7
Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers

This certificate and appendix is maintained and held in force through regular surveillance activities



Signed for LPCB

Paul Dillon
Verifier

06 December 2016
Date of Issue

15 April 2013
Date of First Issue



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Hinged Security Doorsets

Product Name	Product Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
'M2M2'	Single leaf outward opening doorset	1.0	2.43	0.74	1.18	2	312f/01
	Single leaf outward opening doorset with side and/or over panels	1.0	3.93	0.74	4.18	2	
	Double leaf outward opening doorset ¹	1.0	2.43	1.15	2.20	2 ²	
	Double leaf outward opening doorset with side and/or over panels ¹	1.0	3.93	1.15	5.20	2 ²	

Approved Locking Configurations³

LPCB Ref. No.	Product Name	Type	Compatible Locking Devices	
			Active Leaf	Passive Leaf
312f/01	'M2M2'	Single leaf outward opening doorset	1	N/A
		Single leaf outward opening doorset with side and/or over panels	1	N/A
		Double leaf outward opening doorset	1	2
		Double leaf outward opening doorset with side and/or over panels	1	2

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Compatible Locking Devices

Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Device		Compatible Cylinders
				External Face	Internal Face	
1	Tindall Engineering Limited	Mico Abyll AD3 / USCH2	Single point locking system with automatic deadlocking	Key and lever handle	Key or thumbturn and lever handle	A to AG
2	Albert Jagger	A35 0840/002	Sprung tower bolt	-	Sprung tower bolt	-

Compatible Cylinders

Cylinder Reference	Manufacturer	Model	Type
A	Abloy	Protec CY201 PT	Scandinavian Oval
B	Abloy	Disklock Pro CY201 DP	Scandinavian Oval
C	Abloy	Protec Cliq CY201 ⁴	Scandinavian Oval (mechatronic)
D	Access2	Tigres Omega	Scandinavian Oval
E	ASSA	4401dp	Scandinavian Oval
F	ASSA	4401 Cliq ⁴	Scandinavian Oval (mechatronic)
G	ASSA	4407dp	Scandinavian Oval
H	ASSA	4407 Cliq ⁴	Scandinavian Oval (mechatronic)
I	ASSA	4801	Scandinavian Oval
J	ASSA	4807	Scandinavian Oval
K	ASSA	C5801	Scandinavian Oval
L	ASSA	C5807	Scandinavian Oval
M	ASSA	Twin 7601	Scandinavian Oval

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Cylinder Reference	Manufacturer	Model	Type
N	ASSA	Twin 7607	Scandinavian Oval
O	iLOQ	C10s.1	Scandinavian Oval
P	Kaba	Gege RAM	Scandinavian Oval
Q	Kaba	Gege pExtra	Scandinavian Oval
R	Kaba	K20	Scandinavian Oval
S	Kaba	Quattro Plus	Scandinavian Oval
T	KESO	2000S	Scandinavian Oval
U	KESO	4000S	Scandinavian Oval
V	Locken	CL-PL2WR	Scandinavian Oval
W	Medeco	M3-ARX	Scandinavian Oval
X	Abloy	Protec CY403	Rim
Y	Abloy	Protec Cliq CY403 ⁴	Rim (mechatronic)
Z	Abloy	Disklock Pro CY403	Rim
AA	Kaba	Quattro Plus	Rim
AB	KESO	2000S	Rim
AC	KESO	4000S	Rim
AD	Medeco	M3-ARX	Rim
AE	Yale	X5	Rim
AF	ASSA	4857	Round threaded
AG	ASSA	C5857	Round threaded

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Accessories⁵

Accessory	Description
External lock cover shroud	External padlockable shroud covering the external hardware
Low profile aluminium sill	Low profile aluminium sill
Vision panels	356 mm high by 203 mm wide vision panel incorporating a 45.04 mm thick specialist laminated double glazed security glazing unit
	762 mm high by 203 mm wide vision panel incorporating a 45.04 mm thick specialist laminated double glazed security glazing unit
	457 mm high by 457 mm wide vision panel incorporating a 45.04 mm thick specialist laminated double glazed security glazing unit
	356 mm high by 203 mm wide vision panel incorporating a 45.5 mm thick specialist laminated security glass
	762 mm high by 203 mm wide vision panel incorporating a 45.5 mm thick specialist laminated security glass
	457 mm high by 457 mm wide vision panel incorporating a 45.5 mm thick specialist laminated security glass
Bradbury XV louvre panel ⁶	Aluminium louvre panel externally with reinforced internal inner cover ⁷
Surelock McGill Max Air XA4 louvre panel ⁶	Individual Max Air louvre panel, as approved within the scope covered by LPCB Certificate Number 516-1a ⁸

Notes:

1. The M2M² double leaf doorsets can be produced with leaves of unequal width. The minimum width of the active leaf is 750 mm.
2. The double doorset achieves a Security Rating 1 when left in the minimum locked condition, i.e. when only one surface mounted drop bolt on the passive leaf is engaged and the locking mechanism on the active leaf is engaged.
3. Certification does not cover the use of locks other than those listed. Utilisation of unlisted locks may affect the level of security offered by the doorset.
4. The resistance of the mechatronic cylinders to "non-mechanical" attack is excluded from the assessment. This is because it is outside the scope of LPS 1175. Likewise, the assessment does not cover possible effects of any susceptibilities relating to the functionality and performance of ancillary equipment that may be used in conjunction with those cylinders. It is therefore recommended that Bradbury Security satisfy themselves that the components used

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are either resistant to electronic methods of attack, or that they are suitably protected from such tampering/abuse and are resistant to any environmental conditions/interference that may cause the locking system to disengage.

5. Certification does not cover the use of vision or louvre panels or other accessories that are not listed. Utilisation of other accessories may affect the level of security offered by the doorset.
6. Doorsets fitted with louvre panels should not incorporate single action emergency exit hardware. Certification covers deadlocked hardware operated by an internal key or thumbturn. Louvre panels should be located a minimum distance of 100 mm from a tower bolt on the passive door leaf.
7. The louvre cut-out size in the door leaf is a minimum width or height of 457 mm and a maximum width or height of 1957 mm.
8. The louvre cut-out size in the door leaf is a minimum width or height of 457 mm and a maximum width or height of 900 mm.

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