

Certificate of Product Approval

Certificate Number: 312f

Issue: 07

Bradbury Security

Unit 6
Atkinson Way
Foxhills Industrial Estate
Scunthorpe
DN15 8QJ

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:

Product

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

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Chris Hunt
Verifier

27 August 2020
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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		
	Single leaf inward opening doorset	1.0	2.93	0.6	1.43		
	Single leaf inward opening doorset with removeable over panel	1.2	4.13	0.6	1.43		
	Double leaf outward opening doorset ¹	1.0	2.43	1.15	2.2	2 ²	
	Double leaf outward opening doorset with side and/or over panels ¹	1.0	3.93	1.15	5.2		
	Double leaf inward opening doorset	1.0	2.93	0.9	2.6		
	Double leaf inward opening doorset with removeable over panel	1.2	4.13	0.9	2.6		

Approved Locking Configurations³

Product Name	Type	Compatible Locking Devices	
		Active Leaf	Passive Leaf
'M2M2'	Single leaf outward opening doorset	1 to 36	N/A
	Single leaf outward opening doorset with side and/or over panels	1 to 36	N/A
	Single leaf inward opening doorset	1, 6, 18, 21, 24, 27 and 33	N/A
	Single leaf inward opening doorset with removeable over panel	1, 6, 18, 21, 24, 27 and 33	N/A
	Double leaf outward opening doorset	1 to 36	37
	Double leaf outward opening doorset with side and/or over panels	1 to 36	37
	Double leaf inward opening doorset	1, 6, 18, 21, 24, 27 and 33	37, 38 and 39
	Double leaf inward opening doorset with removeable over panel	1, 6, 18, 21, 24, 27 and 33	37, 38 and 39

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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 Abyrll AD3 / USCH2	Single point locking system with automatic deadlocking	Key and lever handle	Key or thumbturn and lever handle	A to BJ
2	Tindall Engineering Limited	Mico Abyrll PE2	Single point panic exit device	None	Panic bar	-
3	Tindall Engineering Limited	Mico Abyrll PE2/ ELK2	Single point panic exit device	Key via ELK2 and lever handle	Panic bar	A to AG, BH, BI
4	Tindall Engineering Limited	Mico Abyrll PE1	Single point emergency exit device	None	Push pad	-
5	Tindall Engineering Limited	Mico Abyrll PE1/ ELK2	Single point emergency exit device	Key via ELK2 and lever handle	Push pad	A to AG, BH, BI
6	Tindall Engineering Limited	Mico Abyrll PE3	Single point emergency exit device	None	Lever handle	-
7	Tindall Engineering Limited	Mico Abyrll PE3/ ELK2	Single point emergency exit device	Key via ELK2 and lever handle	Lever handle	A to AG, BH, BI
8	Tindall Engineering Limited	Mico Abyrll AD1	Single-point locking system with automatic deadlock	None	Key or thumbturn and push pad	-
9	Tindall Engineering Limited	Mico Abyrll AD2	Single-point locking system with automatic deadlock	None	Key or thumbturn and full width push pad	-
10	Tindall Engineering Limited	Mico Abyrll AD3	Single-point locking system with automatic deadlock	None	Key or thumbturn and lever handle	-
11	Tindall Engineering Limited	Mico Abyrll MD1	Single-point locking system with manual deadlock	None	Key or thumbturn and push pad	-

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				External Face	Internal Face	
12	Tindall Engineering Limited	Mico Abryll MD2	Single-point locking system with manual deadlock	None	Key or thumbturn and full width push pad	-
13	Tindall Engineering Limited	Mico Abryll MD3	Single-point locking system with manual deadlock	None	Key or thumbturn and lever handle	-
14	Tindall Engineering Limited	Mico Abryll AD1 / USCH2	Single-point locking system with automatic deadlock	Key via USCH2 cylinder guard and lever handle	Push pad deadlocked by a key or thumbturn	A to BJ
15	Tindall Engineering Limited	Mico Abryll AD2 / USCH2	Single-point locking system with automatic deadlock	Key via USCH2 cylinder guard and lever handle	Full width push pad deadlocked by a key or thumbturn	A to BJ
16	Tindall Engineering Limited	Mico Abryll SATE AD1 / USCH2	Single-point emergency exit device with automatic deadlock	Key via USCH2 cylinder guard and lever handle	Push pad	A to BJ
17	Tindall Engineering Limited	Mico Abryll SATE AD2 / USCH2	Single-point panic exit device with automatic deadlock	Key via USCH2 cylinder guard and lever handle	Panic bar	A to BJ
18	Tindall Engineering Limited	Mico Abryll SATE AD3 / USCH2	Single-point emergency exit device with automatic deadlock	Key via USCH2 cylinder guard and lever handle	Lever handle	A to BJ
19	Tindall Engineering Limited	Mico Abryll MD1 / USCH2	Single-point locking system with manual deadlock	Key via USCH2 cylinder guard and lever handle	Push pad deadlocked by a key or thumbturn	A to BJ
20	Tindall Engineering Limited	Mico Abryll MD2 / USCH2	Single-point locking system with manual deadlock	Key via USCH2 cylinder guard and lever handle	Full width push pad deadlocked by a key or thumbturn	A to BJ
21	Tindall Engineering Limited	Mico Abryll MD3 / USCH2	Single-point locking system with manual deadlock	Key via USCH2 cylinder guard and lever handle	Key or thumbturn and lever handle	A to BJ
22	Tindall Engineering Limited	Mico Abryll SATE MD1 / USCH2	Single-point emergency exit device with manual deadlock	Key via USCH2 cylinder guard and lever handle	Push pad	A to BJ
23	Tindall Engineering Limited	Mico Abryll SATE MD2 / USCH2	Single-point panic exit device with manual deadlock	Key via USCH2 cylinder guard and lever handle	Panic bar	A to BJ

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				External Face	Internal Face	
24	Tindall Engineering Limited	Mico Abyrll SATE MD3 / USCH2	Single-point emergency exit device with manual deadlock	Key via USCH2 cylinder guard and lever handle	Lever handle	A to BJ
25	Tindall Engineering Limited	Mico Abyrll EM1 / USCH2	Single point locking system with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device with key override (via USCH2 cylinder guard) and lever handle	Electro-mechanical access control device with thumbturn override and push pad	A to BJ
26	Tindall Engineering Limited	Mico Abyrll EM2 / USCH2	Single point locking system with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device with key override (via USCH2 cylinder guard) and lever handle	Electro-mechanical access control device with thumbturn override and full width push pad	A to BJ
27	Tindall Engineering Limited	Mico Abyrll EM3 / USCH2	Single point locking system with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device with key override (via USCH2 cylinder guard) and lever handle	Electro-mechanical access control device with thumbturn override and lever handle	A to BJ
28	Tindall Engineering Limited	Mico Abyrll EM1	Single point locking system with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device and lever handle	Electro-mechanical access control device with thumbturn override and push plate	--
29	Tindall Engineering Limited	Mico Abyrll EM2	Single point locking system with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device and lever handle	Electro-mechanical access control device with thumbturn override and full width push pad	-
30	Tindall Engineering Limited	Mico Abyrll EM3	Single point locking system with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device and lever handle	Electro-mechanical access control device with thumbturn override and lever handle	-

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				External Face	Internal Face	
31	Tindall Engineering Limited	Mico Abyrll SATE EM1 / USCH2	Single-point emergency exit device with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Lever handle plus external access control entry device and key override via USCH2 cylinder guard	Push pad	A to BJ
32	Tindall Engineering Limited	Mico Abyrll SATE EM2 / USCH2	Single-point panic exit device with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Lever handle plus external access control entry device and key override via USCH2 cylinder guard	Panic bar	A to BJ
33	Tindall Engineering Limited	Mico Abyrll SATE EM3 / USCH2	Single-point emergency exit device with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Lever handle plus external access control entry device and key override via USCH2 cylinder guard	Lever handle	A to BJ
34	Tindall Engineering Limited	Mico Abyrll SATE EM1	Single-point emergency exit device with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device and lever handle	Push pad	-
35	Tindall Engineering Limited	Mico Abyrll SATE EM2	Single-point panic exit device with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device and lever handle	Panic bar	-
36	Tindall Engineering Limited	Mico Abyrll SATE EM3	Single-point emergency exit device with solenoid deadlocking and 12 V electro-mechanical access control ^{4,5}	Electro-mechanical access control device and lever handle	Lever handle	-
37	Albert Jagger	A35 0840/002	Sprung tower bolt	-	Sprung tower bolt	-

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				External Face	Internal Face	
38	Tindall Engineering Limited	MSTB	Two surface mounted drop bolts	-	Surface mounted drop bolts	-
39	Tindall Engineering Limited	HSTB	Two surface mounted drop bolts	-	Surface mounted drop bolts	-

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 ⁵	Scandinavian Oval (mechatronic)
D	ASSA	4401dp	Scandinavian Oval
E	ASSA	4401 Cliq ⁵	Scandinavian Oval (mechatronic)
F	ASSA	4407dp	Scandinavian Oval
G	ASSA	4407 Cliq ⁵	Scandinavian Oval (mechatronic)
H	ASSA	4801	Scandinavian Oval
I	ASSA	4807	Scandinavian Oval
J	ASSA	C5801	Scandinavian Oval
K	ASSA	C5807	Scandinavian Oval
L	ASSA	Twin 7601	Scandinavian Oval
M	ASSA	Twin 7607	Scandinavian Oval
N	Kaba	K20	Scandinavian Oval
O	Kaba	Quattro PluS	Scandinavian Oval
P	Locken	CL-PL2WR ⁵	Scandinavian Oval (mechatronic)
Q	Medeco	M3-ARX	Scandinavian Oval
R	Abloy	Protec2 CY201-TT	Scandinavian Oval
S	Abloy	Protec2 Cliq / Cliq Remote CY201-TT-CLIQ ⁵	Scandinavian Oval (Mechatronic)
T	Access2	Tigris Omega	Scandinavian Oval
U	Access2	Tigris Plus	Scandinavian Oval
V	Access2	Tigris Premier	Scandinavian Oval

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Cylinder Reference	Manufacturer	Model	Type
W	Access2	Tigris Premier Two	Scandinavian Oval
X	Access2	Tigris Premier Three	Scandinavian Oval
Y	ISEO	F6 extra	Scandinavian Oval
Z	ISEO	R11	Scandinavian Oval
AA	ISEO	R50	Scandinavian Oval
AB	Kaba	expert	Scandinavian Oval
AC	Kaba	Gege RAM	Scandinavian Oval
AD	Kaba	Gege pExtra	Scandinavian Oval
AE	KESO	4000S	Scandinavian Oval
AF	Abloy	Novel CY201-VL	Scandinavian Oval
AG	KESO	2000S	Scandinavian Oval
AH	iLOQ	C 10S.1 ⁵	Scandinavian Oval (Mechatronic)
AI	Abloy	Protec CY403	Rim
AJ	Kaba	Quattro Plus	Rim
AK	Medeco	M3-ARX	Rim
AL	ASSA	4857	Rim
AM	ASSA	C5857	Rim
AN	Abloy	Protec CY405-PT	Rim
AO	Abloy	Protec2 CY403-TT	Rim
AP	Abloy	Protec2 CY405-TT	Rim
AQ	Abloy	Protec Cliq / Cliq Remote CY403-PT-CLIQ ⁵	Rim (Mechatronic)
AR	Abloy	Protec2 Cliq / Cliq Remote CY403-TT-CLIQ ⁵	Rim (Mechatronic)
AS	ASSA	Twin-Combi C5851	Rim
AT	ISEO	F6 extra	Rim
AU	ISEO	R11	Rim
AV	ISEO	R50	Rim
AW	Kaba	K20	Rim
AX	KESO	4000S	Rim
AY	Yale	X5	Rim
AZ	Abloy	Disclock Pro CY403-DP	Rim
BA	Abloy	Disclock Pro CY405-DP	Rim

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Cylinder Reference	Manufacturer	Model	Type
BB	Abloy	Novel CY403-VL	Rim
BC	Abloy	Novel CY405-VL	Rim
BD	Bramah	C 17	Rim
BE	KESO	2000S	Rim
BF	ABUS	Vitess 1000	Rim
BG	ABUS	Bravus 2000	Rim
BH	ABUS	Vitess 1000	Scandinavian Oval
BI	ABUS	Bravus 2000	Scandinavian Oval
BJ	Schlage	MC201	Rim

Accessories⁶

Accessory	Description
External lock cover shroud	External padlockable shroud covering the external hardware
Low profile aluminium sill ⁷	Low profile aluminium sill
Vision panels ^{8,9}	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
Bradbury XV louvre panel ⁹	Aluminium louvre panel externally with reinforced internal inner cover ¹⁰
Surelock McGill Max Air XA4 louvre panel ⁹	Individual Max Air louvre panel, as approved within the scope covered by LPCB Certificate Number 516-1a ¹¹

Notes

1. The M2M² double leaf doorsets can be produced with leafs 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. Fail secure version only.

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5. The resistance of the access control locks or mechatronic cylinders to “non-mechanical” attack has not been assessed as it is outside the scope of LPS 1175. Likewise, the approval does not cover possible effects of any susceptibilities relating to the functionality and performance of any access control equipment or cylinders that may be used to operate these locking systems. This is because the scope of access control devices and system configurations that may be used with these locking systems is “infinite”. It is therefore recommended that Bradbury Security satisfy themselves that the components are either resistant to mechanical and other forms of tampering/abuse, 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.
6. 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.
7. The standard (stepped) threshold must always be used on doorsets incorporating either glazed apertures or locking mechanisms incorporating single action escape panic exit systems operated by panic bars.
8. Doorsets fitted with upper and lower glazed apertures should not incorporate hardware operated by a panic bar.
9. 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.
10. 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.
11. 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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