

Certificate of Product Approval

Certificate Number: 1428a

Issue: 02

Arrow Industrial Limited

Park Mill Way
Clayton West
Huddersfield
West Yorkshire
HD8 9XJ

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

INVICTUS 1
INVICTUS 2
INVICTUS 3
INVICTUS 4
security shutters

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

03 September 2018
Date of Issue

13 July 2017
Date of First Issue



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Appendix to Certificate No: 1428a Arrow Industrial Limited

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Security Shutters

Product Name	Type	Security Rating ¹	LPCB Ref. No.
INVICTUS 1	Roller shutter with solid and/or perforated steel laths	1	1428a/01
INVICTUS 2	Roller shutter with solid steel laths	2	1428a /02
INVICTUS 3	Roller shutter with single skin aluminium laths	3	1428a /03
INVICTUS 4	Roller shutter with alternating single and double skin aluminium laths	4	1428a /04

Configurations, Sizes and Locking Options

Product Name	Orientation	Operation	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Locking Options
INVICTUS 1	Reveal fixed	Push-up	1.0	2.5	1.0	2.5	1 or 2
		Tubular motor	1.0	4.0	1.0	7.0	1 or 2
	Internal face fixed	Push-up	1.0	2.5	1.0	2.5	1 or 2
		Tubular motor	1.0	4.0	1.0	7.0	1 or 2
		Direct drive motor	2.0	7.0	2.0	7.0	1 or 2
	External face fixed	Push-up	1.0	2.5	1.0	2.5	2
Tubular motor		1.0	4.0	1.0	7.0	2	
Direct drive motor		2.0	7.0	2.0	7.0	2	
INVICTUS 2	Reveal fixed	Push-up	1.0	2.5	1.0	2.5	1
		Tubular motor	1.0	4.0	1.0	7.0	1
	Internal face fixed	Push-up	1.0	2.5	1.0	2.5	1
		Tubular motor	1.0	4.0	1.0	7.0	1
INVICTUS 3	Reveal fixed	Tubular motor	1.0	4.0	1.0	7.0	1 and 3
		Direct drive motor	2.0	7.0	2.0	7.0	1 and 3
	Internal face fixed	Tubular motor	1.0	4.0	1.0	7.0	1 and 3
INVICTUS 4	Internal face fixed	Tubular motor	1.0	4.0	1.0	7.0	1 and 3
		Direct drive motor	2.0	7.0	2.0	7.0	1 and 3

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Compatible Locking Devices²

Locking System	Type	Location	Operation
1	Two H75P bullet locks	Internal face	Manual
2	Two H75P bullet locks	External face	Manual
3	Self-locking	Internal barrel	Automatic

Compatible Substrates

Product Name	Compatible Substrates			
	Brick / Blockwork	Reinforced Brickwork / Blockwork	Structural Steelwork	Reinforced Concrete
INVICTUS 1	✓	✓	✓	✓
INVICTUS 2	✓	✓	✓	✓
INVICTUS 3	✓	✓	✓	✓
INVICTUS 4	-	✓	✓	✓

Notes:

- The security rating is afforded when the roller shutter is closed and all locks engaged and secured in accordance with the operating and maintenance instructions provided with the product.
- Certification does not cover the use of locking devices/mechanisms other than those listed above. Utilisation of unlisted locking devices/mechanisms may affect the level of resistance offered by the roller shutter.
- The approval applies to the INVICTUS 1 and 2 shutters when installed strictly in accordance with the instructions and using the fixings provided with the product as follows:
 - Installation Instructions – ‘LPS 1175 CL1 and CL2 Roller Shutter’ Self Coiling / Push-up Operation (Issue 1.3).
 - Installation Instructions – ‘LPS 1175 CL1 and CL2 Roller Shutter’ Tubular Motor Operation (Issue 1.3).
 - Installation Instructions – ‘LPS 1175 CL1 and CL2 Roller Shutter’ Direct Drive Operation (Issue 1.3).
- The approval applies to the INVICTUS 3 and 4 shutters when installed strictly in accordance with the instructions and using the fixings provided with the product as follows:
 - Installation Instructions – ‘LPS 1175 CL3 and CL4 Roller Shutter’ Tubular Motor Operation (Issue 1.2).
 - Installation Instructions – ‘LPS 1175 CL3 and CL4 Roller Shutter’ Direct Drive Operation (Issue 1.2).

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