

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-000385-01

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): Building hardware – Panic exit device(s) operated by a horizontal bar (refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of: Cal-Royal Products Inc.
0605 Flotilla Street, City of Commerce, CA 90040, U.S.A.

and produced in the manufacturing plant(s): SG-15473

Intended use: For doors on escape routes.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 1125:2008

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances.

This certificate **replaces 0359-CPR-000385-01**, first issued on **2016-02-18** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



0905

Signature:

Date: 2020-01-23

Name:

Dipl.-Ing. Roland Heine

Issue: 01

Position: Certification Manager



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CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-000385-01

APPENDIX TO: Certificate of Constancy of Performance

Brand: Cal-Royal Products Inc.
Model Ref: EU

Table A1. Model number details for Panic Exit Device from Cal-Royal Products Inc.

Model No.	Single door	Double door		Lock & Latch type	Material (Touch Bar)
		Active door	Inactive door		
EU	✓	--	--	N/A	Steel

Notes:

- Products tested for use on timber composite doors and timber frames, as described in fire resistance test reports (see summary Table A.3)

Table A2. Mechanical test reports and product Classification for Panic Exit Device from Cal-Royal Products Inc. ^{a, b}

Mechanical test reports	Model tested	Product Classification											
		3	7	5	B ^b	1	3	2	2	A	B		
150104069GZU-001	DT												

Table A3. Fire test reports for Panic Exit Device from Cal-Royal Products Inc. ^{a, b}

Fire Test Reports	Model tested	Test Method	Fire Resistance (minutes)	
			Integrity (E)	Insulation (I)
AU12124047-1R2	DT	EN 1634-1:2014	60	60

Notes

- The panic exit device(s) are to be installed in accordance with the installation instructions for the product(s).
- Digit 4 grade "B" was based on the test result from fire resistance test(s) (Refer to Table A3).

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-000385-01

APPENDIX TO: Certificate of Constancy of Performance

Table A4. Panic Exit Device - EN 1125 Table ZA.1 Clauses for Panic Exit Device from Cal-Royal Products Inc.

Product:	Panic exit devices operated by a horizontal bar as covered by the scope of EN1125.	
Intended uses:	For doors on escape routes.	
Requirement / characteristic	Requirement clauses in this European Standard	Results
Ability to release (for doors on escape routes)	4.1.2 Release function	< 1 second
	4.1.3 Panic exit device mounting	Surface mounted on inner face of door leaf.
	4.1.5 Exposed edges and corners	No sharp edges
	4.1.7 Double doorset	NPD
	4.1.9 Bar installation	Z < 150 mm
	4.1.10 Bar length	X/Y > 60%
	4.1.11 Bar projection	Standard projection Category 2: W < 100 mm
	4.1.12 Bar end	The operating bar does not protrude beyond either of the end support brackets
	4.1.13 Operating bar face	Type A, V > 18 mm
	4.1.14 Test rod	The device does not trap the test rod in any position of the operating bar
	4.1.15 Door face gap	R > 25 mm
	4.1.16 Accessible gap	The test piece placed in any accessible gap cannot prevent the correct operation of the device
	4.1.17 Door free movement	The device does not include any element impeding the free movement of the door once it is released
	4.1.18 Top vertical bolt	NPD
	4.1.20 Keepers	The keeper protects the door frame from the damage caused by the door closing and opening
	4.1.21 Keepers dimensions	NPD
	4.1.23 Door mass and dimensions	Mass 100 Kg, height ≤ 2500 mm, width ≤ 1300mm
	4.1.24 Outside access device	NPD
4..2.2 Release forces	< 80 N with the door unloaded < 220 N with the door loaded with 1 000 N	
4.2.7 Security requirement	Grade 2: the device remains locked when a force of 1 000 N is applied to the door	

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CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-000385-01

APPENDIX TO: Certificate of Constancy of Performance

Durability of ability to release against aging and degradation (for doors on escape routes)	4.1.4; 4.2.9 Corrosion resistance	Grade 3: Very high resistance (96 hours)
	4.1.6 Temperature range	-10°C; +60°C
	4.1.19 4.2.6 Covers for vertical rods	NPD
	4.1.22 Lubrication	Refer to Manufacturer's Maintenance Instructions
	4.2.3 Re-engagement force	< 50 N
	4.2.4 Durability	Grade 7: 200 000 test cycles
	4.2.5 Abuse resistance - Horizontal bar	Pass
	4.2.6 Abuse resistance - Vertical rod	NPD
	4.2.8; 4.2.2; 4.1.17 Final examination	The device is released with a force < 80 N, with the door unloaded, and < 220 N, with the door loaded with 1 000 N, and the door moves freely
Self closing ability C (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	< 50 N
Durability of self closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.4 Durability	Grade 7: 200 000 test cycles
	4.2.3 Re-engagement force	< 50 N
Resistance to fire E (integrity) and (insulation) (for fire doors on escape routes)	4.1.8; Annex B Suitability of panic exit devices for use on fire/smoke resisting door assemblies	Grade B: suitable for use on fire/smoke resisting door assemblies (refer to Table A3).
Control of Dangerous substances	4.1.25 Dangerous substances	No dangerous substances declared for this product/intended use

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