Certificate of Constancy of Performance

0359-CPR-00358



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):	Controlled door closing devices (refer to attached appendix for details and conditions)
Produced by or for:	CAL-ROYAL PRODUCTS INC., 6605 Flotilla Street Commerce, CA 90040, USA.
Produced in the manufacturing plant(s):	A018

On fire and smoke compartmentation doors (to fulfil the self-closing requirement of such doors)

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

EN 1154:1996/A1:2002/AC:2006

Building hardware - Controlled door closing devices - Requirements and test methods

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was issued on 8th June 2015 under CPR (305/2011) 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 performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

0359

Intended use:

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.

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David Bigland Certification Manager

08 Jun-2015 Date 1

Issue

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Appendix to Certificate of Constancy of Performance 0359-CPR-00358

Model Ref: CRP SECURITIES EU430CE

Table A1. Product Description for door closer from Cal-Royal

Model Number	Latch control	Backcheck	Delayed Closing	Maximum opening angle	Zero Position
CRP SECURITIES EU430CE	Yes	Yes	No	180°	Not Applicable
Notes.					
1. Installation – Standard.					
2. Fixed power size 3					

Supporting test reports for this certificate are as follows:

Table A2. Mechanical test reports & product classification door closer ^{a,c}

Test Report	Model tested Product		duct Cla	t Classification			
150313027GZU-002	CRP SECURITIES EU430CE	4	8	3	1 ^c	1	3

Table A3. Fire test reports for door closer ^{b,c}

Test Report	Model tested	Test Method	Fire resistance (minutes)	
			E - Integrity	I - Insulation
150313027GZU-002	CRP SECURITIES EU430CE	EN 1634-1:2008	59 minutes	59 minutes
Model numbers assessed as having same performance:		Not applicable		

Notes.

- a. The door closer shall be installed in accordance with the installation instructions for the product(s).
- b. Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3).
- c. This certificate of constancy of performance, refers to the requirements for the product(s) described under the CPR. There may be other European Directives, where requirements need to be declared before CE marking can be affixed by the manufacturer or their authorised representative.

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Table A4. EN 1154 Annex ZA Related Information for Cal-Royal (Model CRP SECURITIES EU430CE)

Product:	Controlled door closing devices, as covered by the scope of this standard				
Intended use:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors) – Standard installation				
Requirement/ characteristic	Standard clause	Result Summary			
Self-closing	General (5.2.1)	Grade 4 (closing doors from at least 180° open)			
	Closing moment (5.2.3)	Power size 3			
	Opening moment (5.2.4)	Power size 3			
	Efficiency (5.2.5)	More than 55% (Power size 3)			
	Closing time (5.2.6)	Pass			
	Angles of operation (5.2.7)	Grade 4, 180°			
	Overload performance (5.2.8)	Pass			
	Temperature dependence (5.2.9)	Pass (-15°C to +40°C)			
	Fluid leakage (5.2.10)	Pass			
	Damage (5.2.11)	Pass			
	Latch control (5.2.12)	Pass			
	Backcheck (5.2.13)	Pass			
	Delayed closing (5.2.14)	NPD (No Performance Determined)			
	Adjustable closing force (5.2.15)	NPD			
	Zero position (5.2.16)	NPD			
	Fire/smoke door suitability (5.2.18), Annex A.	Grade 1, Suitable for use on fire/smoke doors (refer to Table A3)			
Durability of self-closing	Durability (5.2.2)	500,000 test cycles			
	Corrosion resistance (5.2.2 5.2.17.1, 5.2.17.2)	Grade 3, Neutral Salt Spray (NSS) for 96 hours			
Dangerous substances	(5.2.2 5.2.17.1, 5.2.17.2) See Clause ZA.3	No dangerous substances declared for this product/ intended use			

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