

Notified Body No. 2812

Certificate of Constancy of Performance 2812-CPR-AD8003

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

CRP EU8320 Concealed Door Closer

**Intended use: For use on fire rated single leaf and double leaf doors
CONCEALED IN DOOR**

Essential characteristics	Performance	Harmonised technical specification
Mechanical Test Ref's : 189820 & 189820/C Fire Test Ref's : WF 321045		
Self-closing 5.2.1 General		EN 1154:1996 / A1:2002 / AC:2006
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 3	
5.2.4 Opening moment	Pass size 3	
5.2.5 Efficiency	> 55% size 3	
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3 > 105°	
5.2.8 Overload performance	Pass	
5.2.9 Temp dependence	-15°C to +40°C	
5.2.10 Fluid leakage	Pass	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check (optional)	NPD	
5.2.14 Delayed closing (optional)	NPD	
5.2.15 Adjustable closing force (optional)	NPD	
5.2.16 Zero position (double action door closers only)	NPD	
5.2.18 Fire/smoke door suitability	Pass	
Durability of Self Closing 5.2.2 Durability	500,000 test cycles	
5.2.17.1 Corrosion	Grade 3 (96 hours)	
5.2.17.2 Corrosion	Pass	
Dangerous Substances Annex ZA3	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	

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Placed on the market under the name or trade mark of

**CAL-ROYAL PRODUCTS INC
6605 FLOTILLA ST
COMMERCE
CALIFORNIA
90040
USA**

and produced in the manufacturing plant

J/321

This is coded format and the information is held by the Notified Body

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

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

Under System (1+ or 1) for the performance set out in this certificate are applied and that the Factory Production Control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **21/02/2023** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Notified Product Certification Body.

CE Marking certificate valid to: **26/11/2023**

ERO Project Reference: **ERO 034621 P1798**



Paul Duggan
Certification Manager

CSF408-NL 7.0