

Certificate of Constancy of Performance

0359-CPR-00358



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 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.

- The door closer shall be installed in accordance with the installation instructions for the product(s).
- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3).
- 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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Issue 1

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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 | See Clause ZA.3 | No dangerous substances declared for this product/ intended use |

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