

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC7982

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

Stainless Steel Butt Hinges

See Annex A

Intended use: For use on fire/smoke compartmentation doors, and escape route doors

| Essential characteristics | Performance | Harmonised technical specification |
|--|---|------------------------------------|
| Mechanical test evidence: WIL 182544, WIL 182544/A, WIL 182544/B, WIL 428716, WIL 428716-1 & WIL 428716-2 Fire Test Evidence: WF 428615 | | |
| Self-closing Initial friction torque (door mass 120kg) Static load Load deformation | < 4Nm Passed with a displacement under load: - lateral < 2mm - vertical < 4mm and a residual displacement after unloading: - lateral < 0.6mm - vertical < 0.3mm - within the shaded area of figure G.1 | EN 1935:2002 / AC:2003 |
| Overload | Passed | |
| Shear strength | Passed with a lateral and vertical displacement after unloading < 3m | |
| Hinges for use on fire-resistant and/or smoke-controls doors | Grade 1: suitable for use on fire/smoke resistant door assemblies | |
| Durability | Passed a 200,000 cycle test with a maximum wear: - lateral < 0.5mm - vertical < 1mm and with a maximum frictional torque. - after 20 cycles < 4Nm - after the completion of 200,000 cycles < 4Nm | |
| Families of hinges with common design features | The hinges covered by this certificate are the hinges tested | |
| Corrosion resistance | Grade 4: 240 hours | |
| Dangerous substances | Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1) | |

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Placed on the market under the name of:

**Cal-Royal Products Inc.
6605 Flotilla St. Commerce
CA, 90040, USA**

and produced in the manufacturing plant

J/329

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 1935:2002 / AC:2003

Under System 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 **06/10/2022** 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: **14/11/2024**

ERO Project Reference: **ERO 034621 P1791**



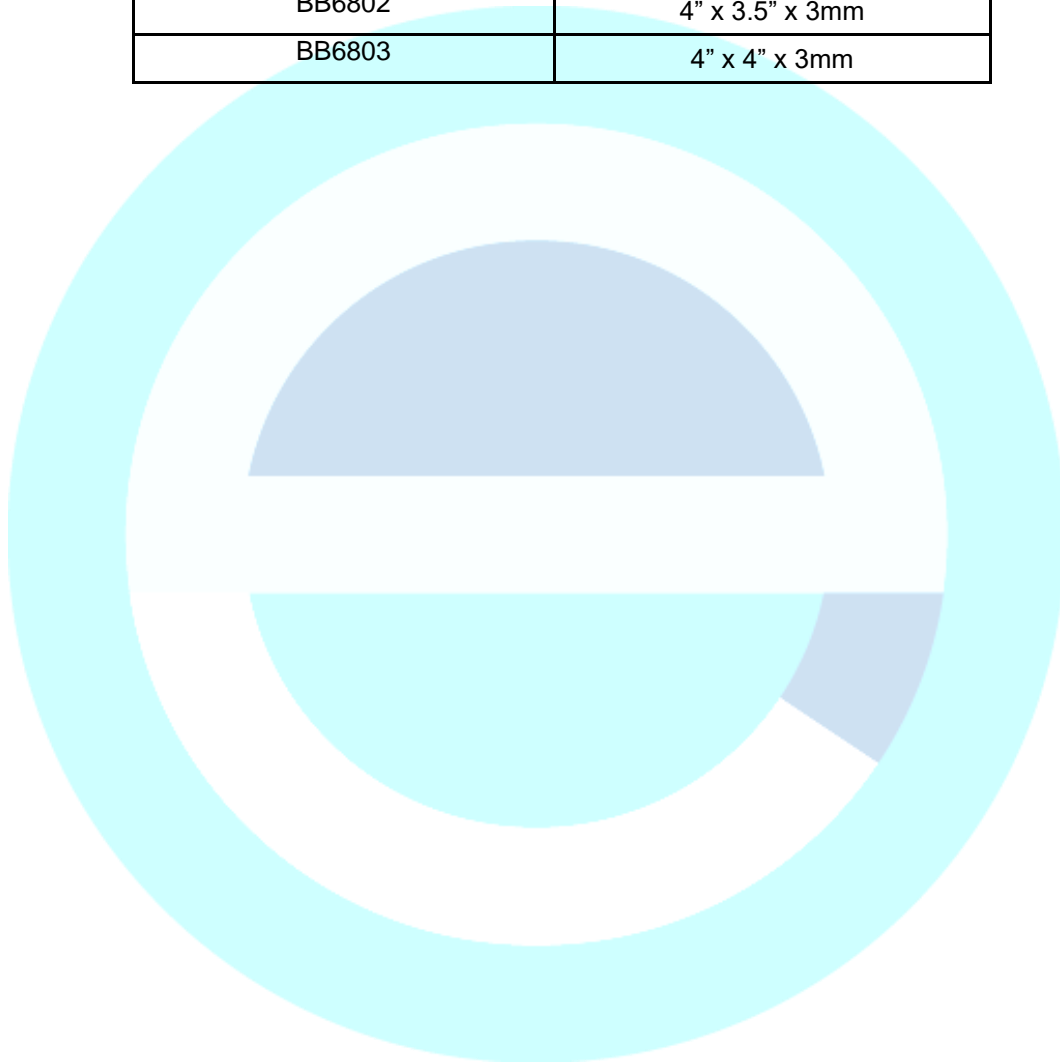
Paul Duggan
Certification Manager

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Annex A

| Cal-Royal Model | Size |
|-----------------|-----------------|
| BB6801 | 4" x 3" x 3mm |
| BB6802 | 4" x 3.5" x 3mm |
| BB6803 | 4" x 4" x 3mm |



CSF408-NL 7.0