

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC7000

In compliance with Construction Products Regulation 2011 (retained EU law EUR 2011/305) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this certificate applies to the Construction Product:

J-451-BT Series Grade 7 Button Tip Single Axis Hinge See Annex A

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

Essential characteristics	Performance	Designated standard
Mechanical test evidence: WIL 313987 Fire test evidence: WF 316346		
Self-closing Initial friction torque (door mass 40kg) Static load Load deformation Overload Shear strength Hinges for use on fire-resistant and/or smoke-controls doors	< 2Nm 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 Passed Passed with a lateral and vertical displacement after unloading < 3mm Grade 1: suitable for use on fire/smoke resistant door assemblies	EN 1935:2002 / AC:2003
Durability Families of hinges with common design features Corrosion resistance	Passed a 200,000 cycle test with a maximum wear: - lateral < 0.5mm - vertical < 1mm and with a maximum frictional torque. - after 20 cycles < 2Nm - after the completion of 200,000 cycles < 2Nm The hinge covered by this certificate is the hinge tested Grade 3: 96 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)	

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC7000

Placed on the market under the name of

**Frelan Hardware Ltd
Mitcham Industrial Estate
Streatham Rd
Mitcham
Surrey
CR4 2AP
United Kingdom**

and produced in the manufacturing plant:

CUC89710-1

This is coded format, and the information is held by the Approved 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 **12/06/2021** and re-issued on **25/06/2024** and will remain valid as long as neither the designated standard, the Construction Product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the Approved Product Certification Body.

UKCA certificate valid to: **11/06/2027**



0087

A handwritten signature in black ink, appearing to read 'Paul Duggan'.

**Paul Duggan
Certification Manager**

**Warringtonfire Testing and Certification Limited
Suite 302, The Genesis Centre, Birchwood, Warrington, WA3 7BH, UK**

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC7000

Annex A

Model No.	Description
J-451-BT-SC	100 x 74 x 2.5mm mild steel button tip butt hinge Satin chrome finish Square corners