

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC7009

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:

J8500 Series Grade 7 Mild Steel 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 438465 & WIL 422997-1 Fire test evidence: WF 429674 & WF 430075 iss. 1		
Self-closing Initial friction torque (door mass 40kg) Static load Load deformation	< 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	EN 1935:2002 / AC:2003
Overload	Passed	
Shear strength	Passed with a lateral and vertical displacement after unloading < 3mm	
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 < 2Nm - after the completion of 200,000 cycles < 2Nm	
Families of hinges with common design features	The hinge covered by this certificate are listed in Annex A	
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

**Frelan Hardware Ltd
Unit 10 Mitcham Industrial Estate
Streatham Road
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 **07/08/2021** and re-issued on **25/11/2024** 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: **10/06/2027**



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Paul Duggan
Certification Manager

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

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Annex A

Model Reference	Description
J8501	89 x 58 x 2.2mm mild steel ball bearing hinge Square corners
J8502	76 x 50 x 2.2mm mild steel ball bearing hinge Square corners

Hinges available in the following finishes:

BR Bronze
GM Gun metal
MB Matt black

PC Polished chrome
SC Satin chrome
SN Satin nickel