

Approved Body No. 1121

Certificate of Constancy of Performance

1121-CPR-UK-AC7001

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:

J9400 Series Grade 14 Concealed Bearing Butt 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 418376 & WIL 423616 Fire test evidence: WF 419361		
Self-closing Initial friction torque (door mass 160kg) Static load Load deformation Overload Shear strength Hinges for use on fire-resistant and/or smoke-controls doors	<p style="text-align: center;">< 4Nm</p> <p>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</p> <p style="text-align: center;">Passed</p> <p>Passed with a lateral and vertical displacement after unloading < 3mm</p> <p style="text-align: center;">Grade 1: suitable for use on fire/smoke resistant door assemblies</p>	EN 1935:2002 / AC:2003
Durability Families of hinges with common design features Corrosion resistance	<p>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</p> <p style="text-align: center;">The hinge covered by this certificate is the hinge tested</p> <p style="text-align: center;">Grade 4: 240 hours</p>	
Dangerous substances	<p>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)</p>	

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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:

CUC89710-5

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 **03/07/2021** and re-issued on **15/07/2024** 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: **02/07/2027**



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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
J9400SSS	102 x 76 x 3mm SS201 stainless steel concealed bearing hinge Satin stainless steel finish Square corners
J9400BL	102 x 76 x 3mm SS201 stainless steel concealed bearing hinge Matt black finish Square corners
J9400DB	102 x 76 x 3mm SS201 stainless steel concealed bearing hinge Dark bronze finish Square corners
J9400SB	102 x 76 x 3mm SS201 stainless steel concealed bearing hinge Antique brass finish Square corners