FRELAN HARDWARE The name of quality architectural hardware

Declaration of Performance
EUROPEAN CONSTRUCTION PRODUCTS REGULATION

DoP Number:

J1018

1. Unique identification code of the product-type:

J8500 102x76x2.7mm 2 ball bearing hinge Grade 11

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

J8500 102x76x2.7mm 2 ball bearing hinge Grade 11
Finishes: BL,BR,EB,PC,SC,SN

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use on escape route doors, when fitted in accordance with the manufacturer's fitting instructions

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

JEDO
Frelan Hardware Ltd Unit 10 Mitcham Industrial Estate , Mitcham, Surrey CR4 2AP , United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

EN 1935:2002 Notified product certification body No. (Fill in the Notified Body number below) performed the determination of the product type on the basis of type testing (including sampling); initial inspection of the manufacturing plant and of the factory production control and continuous surveillance; assessment and evaluation of factory production control; and issued the certificate of constancy of performance of the product.

Enter Notified Body Number Here
2812

8. European Technical Assessment:

N/A

9. Declared performance

Essential characteristics **Self closing**	**Performance**	**Harmonised technical specification**
Initial friction torque with max. door mass 80 kg	3 Nm	EN 1935:2002
Static load		
Load deformation	Passed with a displacement under load: -lateral not more than 2 mm -vertical not more than 4 mm and a residual displacement after unloading. -lateral 0.6 -vertical 0.3	
Overload	-no breakage of any hinge leaf, knuckle, barrel or pin nor any cracking or deformation visible to normal or corrected vision -the hinged test element remained connected to the frame	
Shear strength	Passed with a lateral and vertical displacement after unloading. not more than 1 mm	
Hinges for use on fire-resistant and/or smoke-controls doors;	Grade 1: suitable for use on fire/smoke resistant door assemblies	

Essential characteristics **Durability**	**Performance**	**Harmonised technical specification**
Durability	Passed a 200 000 cycles test with a maximum wear: -lateral 1 -vertical 0.5 with a maximum frictional torque. -after 20 cycles 3 Nm -after the completion of 200000 cycles 3 Nm	EN 1935:2002
Corrosion	Pass Grade 3: 96 hrs	
Dangerous Substances Annex ZA3	The materials in the product(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Andrew McMeechan

Product development

Date of issue: 25/09/2021

Unit 10 Mitcham Industrial Estate
Mitcham, Surrey CR4 2AP
United Kingdom

This Declaration of Performance is issued on a standard template provided by the GAI for use in the door and hardware industries. There is no implied endorsement of the content, which is the responsibility of the issuing company.

The Guild of Architectural Ironmongers
BPF House, 6 Bath Place, Rivington Street, London, EC2A 3JE
Tel: +44 (0) 20 7033 2480 | Fax: +44 (0) 20 7033 2486