Construction Products (Amendment etc.) EU Exit) Regulation 2019 Declaration of Performance

DOP Number **NICO 4718 ZY + S5 (CE)**

1. Unique identification code of the product-type:

4718 ZY - 98mm Mild Steel LoadPro Lift Off Hinge, Yellow Zinc
4718 S5 - 98mm Mild Steel LoadPro Lift Off Hinge, Supercoat

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:

4718 ZY 4718 S5 Parts Yellow zinc of Supercoat

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 fire and smoke compartmentation 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)

Nico Manufacturing Ltd, 109 Oxford Road, Clacton-on-Sea, ESSEX, CO15 3TJ, 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 designated standard EN 1935:2002. Notified product certification body No 2812- 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.

CE Certificate No.2812-CPR-AC0082

8. European Technical Assessment :NA

9. Declared performance

Essential characteristics – Self closing	**Performance**	**Designated Standard**
Initial friction torque with max. Door mass 100 Kg	0.81Nm	EN 1935:2002
Static load	Static load for deformation = door mass x 2. Static load for overload = door mass x 3	
Load deformation	Passed with a displacement under load: - lateral not more than 0.51mm - vertical not more than 0.27mm and a residual displacement after unloading. - lateral less than 0.06mm - vertical less than 0.09mm	
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 1mm	
Hinges for use on fire resistant and/or smoke-control doors;	Grade 1: Suitable for use on fire/smoke resistant door assemblies.	
Essential characteristics – Durability	**Performance**	**Designated Standard**
Durability	Passed a 200,000 cycles test with a maximum wear: - lateral Less than 0.13mm - vertical less than 0.46mm with a maximum frictional torque - after 20 cycles 0.90Nm - after the completion of 200,000 cycles 1.08Nm	EN 1935:2002
Corrosion	Passed Grade 4: 240 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:

Mr Ian Harrison (Marketing Director)

Ian Harrison

Date of issue - 9th November 2021

Nico Manufacturing Ltd. Oxford Road, Clacton-on-Sea, ESSEX, United Kingdom