

Approved body No. 1121

## Certificate of constancy of performance

**1121-CPR-UK-AC7008**

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:

**Simonswerk UK Ltd – Brass Phosphor Bronze Washered Hinges**  
**See Annex A**

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

| Essential characteristics   | Performance  | Harmonised technical specification |
|---|--|------------------------------------|
|   | Mechanical test evidence:<br>WIL 128790, 128791, 129145<br>Fire Test Evidence: C132467   |                                    |
| Self-closing<br>Initial friction torque (door mass 40kg)<br>Static load<br>Load deformation<br><br>Overload<br><br>Shear strength<br><br>Hinges for use on fire-resistant and/or smoke-controls doors | <2 Nm<br><br>Passed with a displacement under load:<br>-lateral <2 mm<br>-vertical <4 mm<br>and a residual displacement after unloading.<br>-lateral <0.6 mm<br>-vertical <0.3 mm<br><br>Passed<br><br>Passed with a lateral and vertical displacement after unloading < 3 mm<br><br>Grade 1: suitable for use on fire/smoke resistant door assemblies | EN 1935:2002                       |
| Durability<br><br>Families of hinges with common design features<br><br>Corrosion resistance  | Passed a 200,000 cycles test with a maximum wear:<br>-lateral <0,5 mm<br>-vertical <1 mm<br>and with a maximum frictional torque.<br>-after 20 cycles <3 Nm<br>-after the completion of 200,000 cycles <3 Nm<br><br>The hinge covered by this CPR is the hinge tested<br><br>Grade 4: 240 hours  | EN 1935:2002                       |
| 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)  | EN 1935:2002                       |

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**1121-CPR-UK-AC7008**

produced for

**Simonswerk UK Ltd  
Burcot Works  
Spring Street  
Tipton  
West Midlands**

and produced in the manufacturing plant

**E/008**

**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(s)

**EN 1935:2002**

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 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.

Valid to: **02/07/2024**

**UK  
CA**



Paul Duggan  
Certification Manager

**Warringtonfire Testing and Certification Limited  
Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK**

## Certificate of constancy of performance

1121-CPR-UK-AC7007

### Annex A

| INOX Hinge Reference | Description   |
|----------------------|---|
| 1440                 | 100mm x 65mm Brass Phosphor Bronze Washered Hinges  |
| 1450                 | 100mm x 75mm Brass Phosphor Bronze Washered Hinges  |
| 1460                 | 100mm x 100mm Brass Phosphor Bronze Washered Hinges |
| 1470                 | 125mm x 75mm Brass Phosphor Bronze Washered Hinges  |
| 1480                 | 150mm x 75mm Brass Phosphor Bronze Washered Hinges  |
| 1485                 | 150mm x 100mm Brass Phosphor Bronze Washered Hinges |
| 1240                 | 100mm x 65mm Brass Phosphor Bronze Washered Hinges  |
| 1250                 | 100mm x 75mm Brass Phosphor Bronze Washered Hinges  |
| 1260                 | 100mm x 100mm Brass Phosphor Bronze Washered Hinges |
| 1270                 | 125mm x 75mm Brass Phosphor Bronze Washered Hinges  |
| 1280                 | 150mm x 75mm Brass Phosphor Bronze Washered Hinges  |
| 1285                 | 150mm x 100mm Brass Phosphor Bronze Washered Hinges |