

Approved body No. 1121

Certificate of constancy of performance
1121-CPR-UK-AC7867

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:

DP Garg – Grade 11 Hinges – See Annex A

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

| Essential characteristics | Performance | Harmonised technical specification |
|---|--|------------------------------------|
| | <p>Mechanical test evidence: WIL 413448, WIL 413448-1, WIL 413488, WIL 413488-1, WIL 413488-2 & WIL 413488-3</p> <p>Fire Test Evidence: WF 377589 Iss 6, WF 376739, WF 477589, WF 376743 & WF 376241</p> | |
| <p>Self-closing Initial friction torque (door mass 80kg) Static load Load deformation</p> <p>Overload</p> <p>Shear strength</p> <p>Hinges for use on fire-resistant and/or smoke-controls doors</p> | <p><3 Nm</p> <p>Passed with a displacement under load: -lateral <2 mm -vertical <4 mm and a residual displacement after unloading. -lateral <0.6 mm -vertical <0.3 mm</p> <p>Passed</p> <p>Passed with a lateral and vertical displacement after unloading < 3 mm</p> <p>Grade 1: suitable for use on fire/smoke resistant door assemblies</p> | EN 1935:2002 |
| <p>Durability</p> <p>Families of hinges with common design features</p> <p>Corrosion resistance</p> | <p>Passed a 200,000 cycles test with a maximum wear: -lateral <0,5 mm -vertical <1 mm and with a maximum frictional torque. -after 20 cycles <3 Nm -after the completion of 200,000 cycles <3 Nm</p> <p>The hinge covered by this CPR is the hinge tested</p> <p>Grade 3: 96 hours</p> | 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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Placed on the market under the name of

**D.P. GARG & CO. PVT. LTD
B-210b Phase-2
NOIDA**

and produced in the manufacturing plant

R/001

This is coded format and the information is held by the Approved Body

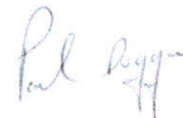
This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 1935:2002/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 **09/08/2021** 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: **08/08/2024**



Paul Duggan
Certification Manager

**UK
CA**

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

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Annex A

| | | | |
|-------------|-------------|-------------|-------------|
| MHIN4515100 | MHIN4517100 | MHIN5515100 | MHIN5517100 |
| SHIN4515100 | SHIN4517100 | SHIN5515100 | SHIN5517100 |
| MHIN4519100 | MHIN4522100 | MHIN5519100 | SHIN4519100 |
| SHIN5519100 | SHIN4522100 | SHIN5522100 | MHIN5522100 |

Brand Names - Garg, Gargs, Tuff, Elite, Sichern, Eurostar