

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC5104

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

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	<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>	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 – 201 305**

and produced in the manufacturing plant

R/001

This is coded format and the information is held by the Notified 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 16/10/2020 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, or unless suspended or withdrawn by the notified product certification body.

Valid to: **25/09/2022**

ERO Project Reference: **EROWF10873**



Paul Duggan
Certification Manager



Annex A

MHIN4515100	MHIN4517100	MHIN5515100	MHIN5517100
SHIN4515100	SHIN4517100	SHIN5515100	SHIN5517100
MHIN4519100	MHIN4522100	MHIN5519100	SHIN4519100
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