

Notified Body No. 2812

Certificate of Constancy of Performance

2812-CPR-AC5108

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

G4530, G4535, G4540 & G4545 Hinges

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

Essential characteristics	Performance	Harmonised technical specification
	Mechanical test evidence: WIL 407858, WIL 431015 & WIL 432852-1 Fire Test Evidence: CFR 1811211, WF 138907 Iss 11	
Self-closing Initial friction torque (door mass 160kg) Static load Load deformation	<4 Nm 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	EN 1935:2002
Overload	Passed	
Shear strength	Passed with a lateral and vertical displacement after unloading < 3 mm	
Hinges for use on fire-resistant and/or smoke-controls doors	Grade 1: suitable for use on fire/smoke resistant door assemblies	
Durability	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 The hinge covered by this CPR is the hinge tested	EN 1935:2002
Families of hinges with common design features		
Corrosion resistance	Grade 4: 240 hours	
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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produced for

**Royde & Tucker Limited
Bilton Road
Cadwell Lane
Hitchen
Hertfordshire
SG4 0SB**

and produced in the manufacturing plant

E/004

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 performances set out in this certificate are applied and that the Construction Product fulfils all the prescribed requirements for these Performances.

This certificate was first issued on **11/12/2020** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

Valid to: **18/12/2022**

ERO Project Reference: **032646P80**



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Certification Manager



CSF408-NL 2.0