

Notified Body No. 2812

## Certificate of Constancy of Performance

**2812-CPR-AC5128**

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:

**G4530-5, G4535-5, G4540-5 & G4545-5 Hinges**

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

Essential characteristics	Performance	Harmonised technical specification
	Mechanical Test Evidence: WIL 432852, WIL 431015 & WIL 407858 Fire Test Evidence: WF No. 138907 Issue 11	
Self-closing Initial friction torque (door mass 160kg) Static load Load deformation	< 4Nm  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/AC:2003
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	EN 1935:2002/AC:2003
Families of hinges with common design features	The hinge covered by this CPR is the hinge tested	
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/AC:2003

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Placed on the Market under the Name of

**Royde and Tucker Limited  
Bilton Road  
Hitchen  
SG4 0SB  
United Kingdom**

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 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 **08/12/2020** 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: **07/12/2023**

ERO Project Reference: **ERO032646P34**



Paul Duggan  
Certification Manager

