



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

Declaration of Performance

DoP Number: DOP-UK-AVONH4

UKCA Certificate of Conformity Number: AC8018

- **Unique identification code of the product-type:** AVONH4 Series Ball Bearing Butt Hinge
- **Intended use or uses:** Fire and smoke compartmentation doors, to fulfil self-closing requirements
- **Name of manufacturer:** Avon Joinery Ltd, Unit 6B, Roman Way, Rugby, Warwickshire, CV21 1DB
- **System of assessment product as set out in CPR, Annex V:** System 1
- **Harmonised standard:** EN1935: 2002/AC: 2003
- **Notified body:** 1121 Warrington Certification Ltd

Declared Performance:

Essential characteristic	Performance:	Harmonised Technical Specification:
Self closing - Initial friction torque door mass	-120kg (<4Nm): Pass	EN1935: 2002/AC: 2003
Static load deformation	-Lateral displacement under load (<2mm): Pass -Vertical displacement under load (<4mm): Pass -Lateral residual displacement after unloading (<0.6mm): Pass -Vertical residual displacement after unloading (<0.3mm): Pass	
Overload	- Pass	
Shear strength	-Lateral and vertical displacement after unloading (<3mm): Pass	
Hinges for use on fire resistant and/or smoke-control doors	-Suitable for use on fire/smoke resistant door assemblies: Pass	
Durability (200,000 cycle test with a maximum wear)	-Lateral <0.5mm: Pass -Vertical <1mm: Pass -Maximum frictional torque after 20 cycles (<3Nm): Pass -Maximum frictional torque after 200,000 cycles (<3Nm): Pass	

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Declared Performance:

Essential characteristic	Performance:	Harmonised Technical Specification:
Corrosion resistance	-Grade 4 (240hrs): Pass	EN1935: 2002/AC: 2003
Dangerous substances	The materials in the product/s do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations.	

Signed for and on behalf of the manufacturer by:



NAME: David Askew
POSITION: Director
Avon Joinery Ltd

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