

Notified body No. 1121

Certificate of Constancy of Performance

1121-CPR-AC5100

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

Wenzhou Akada Hinges See Annex A

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

Essential characteristics	Performance	Harmonised technical specification
	Mechanical Test Evidence: WIL 413546 & 413546-1 Fire Test Evidence: WF 423717 AR	
Self-closing Initial friction torque (door mass 120kg) 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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produced for

**Wenzhou Akada Foreign Trade Co., Ltd
Room 2001
Building B5 Daziran
No 103, Shifu Road
Wenzhou, China**

and produced in the manufacturing plant

X/XXX

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/AC:2003

under system 1 of AVCP are applied and that

the product fulfils all the prescribed requirements set out above.

This certificate was first issued on **xx/xx/xxxx** and will remain valid to the date given below as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Valid to: **xx/xx/xxxx**

Paul Duggan
Certification Manager

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



Annex A

Size	Model Number
4.5" x 4" x 3mm	AKBH4.543
5" x 3" x 3mm	AKBH533
5" x 3" x 3.5mm	AKBH533.5
4.5" x 4" x 3.5mm	AKBH4.543.5
4" x 3" x 3mm	AKBH433
4" x 3.5" x 3mm	AKBH43.53
4" x 4" x 3mm	AKBH443
4.5" x 4.5" x 3.5mm	AKBH4.54.53.5

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