

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-200164-01

In compliance with Regulation (EU) No 305/2011 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(s)

Product(s): Building hardware - Controlled door closing devices - Requirements and test methods (refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of: KALE KILIT VE KALIP SAN. A.S.
Ayazağa Mah. Cendere CAD No.: 109 F 1-E Blok Vadiistanbul- Sariyer, Istanbul, Turkey.

and produced in the manufacturing plant(s): SG-15462

Intended use: On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 1154:1996/A1:2002/AC:2006

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances.

This certificate first issued on **2020-01-21** 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.



The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.

Signature:

Date: 2020-01-21

Issue: 01

Name:

Dipl.-Ing. Roland Heine

Position: Certification Manager



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APPENDIX TO: Certificate of Constancy of Performance

Brand: KALE, ARCO
Model Ref: KD002/50-650

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Table A1. Mechanical test reports & Product classification for Door Closer from KALE KILIT VE KALIP SAN. A.S.

Test Report	Model tested	Product Classification					
180731014SHF-BP-1R1	KD002/50-650	3	8	5	1 ^a	1	3
				2			
Evaluated function: Standard arm installation, Selectable Power Size 2 to 5, with speed control and latch control, Backcheck							

Table A2. Fire test report(s) for Door Closer from KALE KILIT VE KALIP SAN. A.S. ^b

Test Report	Model tested	Test Method	Fire resistance (minutes)	
			E - Integrity	I - Insulation
170913006SHF-BP-2R2	KD002/50-650	EN 1634-1:2014	65	65

Notes.

- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A2). Door closers with adjustable closing force shall be capable of adjustment at least to Power Size 3.
- The door closer shall be installed in accordance with the installation instructions for the product(s).

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Table A3. EN 1154 Annex ZA Related Information for Door Closer from KALE KILIT VE KALIP SAN. A.S.

Product:	Controlled door closing devices KD002/50-650	
Intended use:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors) – <Standard arm installation>	
Requirement/ characteristic	Standard clause	Result Summary
Self-closing	General (5.2.1)	Grade 3 (closing doors from at least 105° open)
	Closing moment (5.2.3)	Power size 2 to 5
	Opening moment (5.2.4)	Power size 2 to 5
	Efficiency (5.2.5)	Power size 2: More than 50% Power size 5: More than 65%
	Closing time (5.2.6)	Pass
	Angles of operation (5.2.7)	Grade 3, 105°
	Overload performance (5.2.8)	Pass
	Temperature dependence (5.2.9)	Pass (-15°C to +40°C)
	Fluid leakage (5.2.10)	Pass
	Damage (5.2.11)	Pass
	Latch control (5.2.12)	Pass
	Backcheck (5.2.13)	Pass
	Delayed closing (5.2.14)	NPD
	Adjustable closing force (5.2.15)	Pass
	Zero position (5.2.16)	NPD
Fire/smoke door suitability (5.2.18), Annex A	Grade 1, Suitable for use on fire/smoke doors (refer to Table A2).	
Durability of self-closing	Durability (5.2.2)	500,000 test cycles
	Corrosion resistance (5.2.2 5.2.17.1, 5.2.17.2)	Grade 3, Neutral Salt Spray (NSS) for 96 hours
Dangerous substances	See Clause ZA.3	No dangerous substances declared for this product/ intended use

END OF DOCUMENT

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