

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-220844-01

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: Abloy Oy
Wahlforssinkatu 20, P.O Box 108, 80101 Joensuu, FINLAND

and produced in the manufacturing plant(s): SG-15097

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 was first issued on **2022-07-21** 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body



0905

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:



114337 DocuSign

Date: 2022-07-21

Issue: 01

Name: Dipl.-Ing. Roland Heine

Position: Certification Manager

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APPENDIX TO: Certificate of Constancy of Performance

Brand: **Yale**
Model Ref: **3500, 3500BC**

Table A1. Model number(s) details for Door Closer range from Abloy Oy

Installation Position	Installation Type	Product Classification					
EN 2	Standard arm	4	8	2	0	1	4
EN 3	Standard arm and parallel arm	4	8	3	1 ^a	1	4
EN 4	Standard arm	4	8	4	1 ^a	1	4

Table A2. Mechanical test report(s) and product classification for Door Closer from Abloy Oy^b

Mechanical test reports	Installation Type	Product Classification					
181012002SHF-BP-1R1	Standard arm	4	8	4 2	1 ^a	1	4
	Parallel arm	4	8	3	1 ^a	1	4
Evaluated function: The power size is adjustable by different installation position, latch control and backcheck (3500BC only)							

Table A3. Fire test report(s) for Door Closer from Abloy Oy^b

Fire test reports	Installation Type	Test Method	Fire resistance (Minutes)	
			E-Integrity	I-Insulation
180511007SHF-BP-1-R2	Parallel arm	EN 1634-1:2014+A1:2018	84	84

Test configuration: Single leaf single action swing timber fire door

Orientation: Open into the furnace

Installation: Surface mounted parallel arm installation

Note:

- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3). 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 A4. Annex ZA Table ZA.1 Clauses for Door Closer for Abloy Oy

Product:	Controlled door closing devices by the scope of EN1154.	
Intended Uses:	On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors)	
Requirement / characteristic	Requirement clauses in this European Standard	Results
Ability to release (for doors on escape routes)	General (5.2.1)	Grade 4 (closing doors from 180° open)
	Closing moment (5.2.3)	Power size 2 to 4
	Opening moment (5.2.4)	Power size 2 to 4
	Efficiency (5.2.5)	Power size 2: More than 50% Power size 3: More than 55% Power size 4: More than 60%
	Closing time (5.2.6)	Pass
	Angles of operation (5.2.7)	Grade 4, 180°
	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 (3500BC only)
	Delayed closing (5.2.14)	Not applicable
	Adjustable closing force (5.2.15)	Not applicable
	Zero position (5.2.16)	Not applicable
	Fire/smoke door suitability (5.2.18), Annex A	Grade 1, Suitable for use on fire/smoke doors (refer to Table A3).
	Durability (5.2.2)	500,000 test cycles
	Corrosion resistance (5.2.2 5.2.17.1, 5.2.17.2)	Grade 4, Neutral Salt Spray (NSS) for 240 hours
	See Clause ZA.3	No dangerous substances declared for this product/ intended use

END OF DOCUMENT

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