

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-000347-04

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 - Locks and latches - Mechanically operated locks, latches and locking plates
(refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of: Global Architectural Openings Solutions Co., Ltd.
Unit 1, Baxter Road Sheffield S6 1JF, United Kingdom

and produced in the manufacturing plant(s): Global Architectural Openings Solutions Co., Ltd.
Unit 1, Baxter Road Sheffield S6 1JF, United Kingdom

Intended use: When used with an appropriate door closing device on fire and/or smoke control doors to fulfil the self-closing requirement of such doors, and thereafter to ensure that the door remains shut.
This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):
EN 12209:2003+AC:2005
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 replaces **0905-CPR-000347-03** and was first issued under **0359-CPR-00347-05** on **2014-12-18** 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body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:



DocuSign

117903

Date: 2023-11-03

Issue: 04

Name:

Dipl.-Ing. Roland Heine

Position: Certification Manager

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APPENDIX TO: Certificate of Constancy of Performance

Brand: GAOS
 Model Ref: 170, 171, 172, 173, 174, 175, 176, 190

Table A1. Product description for mechanically operated locks, latches and locking plates from Global Architectural Openings Solutions Co., Ltd.

Function	Model Number	Backset (mm)	C to C distance (mm)
Sash lock Handle only operate latch, cylinder operate latch and dead bolt.	170 - 55	55	72
	170 - 60	60	72
	170 - 65	65	72
	170 - 70	70	72
	170 - 80	80	72
	177 - 45	45	85
	177 - 50	50	85
	177 - 60	60	85
Passage latch Only latch bolt function, handle operate latch.	173 - 55	55	72
	173 - 60	60	72
	173 - 65	65	72
Deadlocking bolt Only deadbolt function, cylinder operate deadbolt.	172 - 55	55	72
	172 - 60	60	72
	172 - 65	65	72
Night latch Handle operate latch, cylinder operate latch.	174 - 55	55	72
	174 - 60	60	72
	174 - 65	65	72
Bathroom lock Latch is operated by handle, deadbolt is operated by turn.	171 - 55	55	78
	171 - 60	60	78
	171 - 65	65	78
Roller latch & Manual deadlocking Contain a roller latch bolt and deadbolt. Handle or key can't operate the roller latch bolt, cylinder can operate the deadbolt.	175 - 55	55	72
	175 - 60	60	72

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Table A2. Mechanical test report(s) and product classification for mechanically operated locks, latches and locking plates^{a, b} from Global Architectural Openings Solutions Co., Ltd.

Mechanical test reports	Model List	Product Classification										
		3	X	9	1 ^b	0	G	3	B	C	2	0
160920013GZU-001 160920013GZU-002	170 - 55, 170 - 60, 170 - 65, 170 - 70, 170 - 80, 177 - 45, 177 - 50, 177 - 60	3	X	9	1 ^b	0	G	3	B	C	2	0
	173 - 55, 173 - 60, 173 - 65	3	X	9	1 ^b	0	G	-	B	0	2	0
	172 - 55, 172 - 60, 172 - 65	3	X	9	1 ^b	0	G	3	B	C	0	0
	174 - 55, 174 - 60, 174 - 65	3	X	9	1 ^b	0	G	2	B	B	2	0
	171 - 55, 171 - 60, 171 - 65	3	X	9	1 ^b	0	G	-	B	0	2	0
220507060GZU-001	175 - 55, 175 - 60	3	C	8	1 ^b	0	G	3	B	C	0	0

Table A3. Fire test report(s) for mechanically operated locks, latches and locking plates^{a, b} from Global Architectural Openings Solutions Co., Ltd.

Fire test reports	Model List	Test Method	Fire Resistance (Minutes)	
			Integrity (E)	Insulation (I)
171101005SHF-BP-1-R1	170 - 80	EN 1634-1:2014+A1:2018	260	N/A
Test configuration:	Single leaf single action swing steel fire door assembly			
Orientation:	Open away from the furnace			
171101004SHF-BP-2-R1	170 - 80	EN 1634-1:2014+A1:2018	111	111
Test configuration:	Single leaf single action swing timber fire door assembly			
Orientation:	Open into the furnace			
Model numbers in Table A1 were assessed as having same performance.				

Notes.

- The lock and plate shall be installed in accordance with the installation instructions for the product(s).
- Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3).

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Table A4. Annex ZA Table ZA.1 Clauses for Mechanically operated locks, latches and locking plates from Global Architectural Openings Solutions Co., Ltd.

Product:	Mechanically operated locks, latches and locking plates			
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		
		For Latch lock: 170 - 55, 170 - 60, 170 - 65, 170 - 70, 170 - 80, 177 - 45, 177 - 50, 177 - 60, 173 - 55, 173 - 60, 173 - 65, 174 - 55, 174 - 60, 174 - 65,	For Roller latch: 175 - 55, 175 - 60	For deadlocking bolt: 172 - 55, 172 - 60, 172 - 65
Self-closing ability	Closing force (5.4.2)	Grade 9, less than 15N	Grade 8, Less than 15N	Not applicable
	Return force of latch bolt (5.1.2)	Pass, More than 2.5 N	Pass, More than 2.5 N	Not applicable
Durability of self-closing action	Durability of latch action (5.3.1)	Grade X, 200 000 cycles	Grade C, 200 000 cycles	Not applicable
Ability to maintain door in closed position and not contribute to the spread of fire	Resistance to side load on latch bolt (5.2.1)	Grade 3, 3kN		Not applicable
	Suitability for use on fire/smoke doors (5.5)	Grade 1 (refer to Table A3)		
Control dangerous substances	Dangerous substances (5.1.1)	No dangerous substances declared for this product/ intended use		

END OF DOCUMENT

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