



CERTIFICATE OF CONSTANCY OF PERFORMANCE

0355-CPR-230856-1

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).

Placed on the market **GEZE INDIA PVT. LTD.**
under the name or trade mark of: **MF2 & 3 GUINDY INDUSTRIAL ESTATE,
EKKATTUTHANGAL CHENNAI 600032 INDIA**

and produced in the manufacturing plant(s): **SG-16095**

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

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 **2023-09-08** 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construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.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.

Name: John Karry

Signature: 11159

Position: Certification Manager

Date: SEP. 08, 2023

This Certificate is for the exclusive use of ECM's client and is provided pursuant to the agreement between ECM and its Client. ECM's responsibility and liability are limited to the terms and conditions of the agreement. ECM assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the ECM name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by ECM.

Ente Certificazione Macchine Srl

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APPENDIX TO: Certificate of Constancy of Performance

Brand: **GEZE**

Model Ref: **TS1100C TS2100**

Table A1. Model number(s) details for Door Closer range from GEZE INDIA PVT LTD.

| Model No. | Latch Control | Backcheck | Delayed Closing | Installation | Zero Position |
|-----------|---------------|----------------|-----------------|--------------|----------------|
| TS1100C | YES | NOT APPLICABLE | Not applicable | Standard arm | Not Applicable |
| TS2100 | YES | YES | Not applicable | Standard arm | Not Applicable |

Table A2. Mechanical test reports and product Classification for Door Closer from GEZE INDIA PVT. LTD. ^b

| Mechanical test reports | Model Tested | Product Classification | | | | | |
|-------------------------|--------------|------------------------|---|---|----------------|---|---|
| | | 3 | 8 | 4 | 1 ^a | 1 | 4 |
| 201809030GZU-001 | TS1100C | | | 2 | | | |
| 201927083GZU-001 | TS2100 | | | 5 | | | |
| | | | | 2 | | | |

Table A3. Fire test reports for Door Closer from GEZE INDIA PVT. LTD. ^{a, b}

| Fire Test Reports | Model tested | Test Method | Fire Resistance (Minutes) | |
|--|-------------------|------------------------|---------------------------|--------------|
| | | | Integrity (E) | I-Insulation |
| 181020004SHF-BP-4 201904002SHF-BP-1 | TS1100C TS2100 | EN 1634-1:2014+A1:2018 | 180 | N/A |
| Test configuration: Single leaf single action swing steel fire door Orientation: Open away from the furnace | | | | |

Note:

- a. Digit 4 grade "1" was based on the test result from fire resistance test (refer to Table A3).
- b. 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 GEZE INDIA PVT. LTD

| | | |
|---|---|--|
| Product: | Controlled door closing devices TS1100C TS2100 | |
| Intended Uses: | On fire and smoke compartmentation doors (to fulfil the self-closing requirements of such doors) - Standard arm installation | |
| Requirement/characteristic | Requirement clauses in this European Standard | Results |
| Ability to release (for doors on escape routes) | 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 60% |
| | 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) | Not applicable |
| | Adjustable closing force (5.2.15) | Power Size 2 to 5 |
| | 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 A2). |
| | 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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