

ASTRA DOOR CONTROLS 4003 DECLARATION OF PERFORMANCE

DoP number:

AST8006

1. Unique identification code of the product type:

AST4002 (BFS, CFS, SFS, DBS, ABS, BZS, CPS, BFR, CFR, SFR, DBR, ABR, BZR, CPR) concealed door control.

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

AST4002 series concealed door control.

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use on fire and smoke compartmentation doors, when fitted in accordance with the manufacturers fitting instructions.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Astra Door Controls, Astra Business Centre, Roman Way, Preston PR2 5AP, United Kingdom.

5. Where applicable, name and contact address of the authorised representative of the manufacturer as required under Article 12(2):

N/A

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

EN1154: 1997: A1: 2002 Notified Product Certification Body number 2831 performed the determination of the product type on the basis of type testing (including sampling); assessment and evaluation of factory production control; and issued the certificate of consistency of performance of the product.

8. European Technical assessment:

N/A

9. Declared Performance:

| Essential characteristic                   | Performance  | harmonised technical specification |
|--|--|------------------------------------|
| Self closing                               |  |                                    |
| 5.2.1 General                              |  | EN1154: 1997: A1: 2002             |
| Application                                | Concealed in the door blade.   |                                    |
| 5.2.2 Durability                           | 500,000 test cycles.   |                                    |
| 5.2.3 Closing moment                       | Pass size 2.   |                                    |
| 5.2.4. Opening moment                      | Pass size 2.   |                                    |
| 5.2.5. Efficiency                          | More than 55% size 2.  |                                    |
| 5.2.6 Closing time                         | Pass – After 5,000 and 500,000 test cycles, the closing time from an open angle of 90° was capable of adjustment to 3 seconds or less, and 20 seconds or more. After 500,000 test cycles, the closing time set at 5,000 test cycles did not increase by more than 100% or decrease by more than 30%. |                                    |
| 5.2.7. Angles of operation                 | Grade 3 - 105°.  |                                    |
| 5.2.8. Overload performance                | Pass.  |                                    |
| 5.2.9. Temperature dependence              | -15°C to +40°C.  |                                    |
| 5.2.10. Fluid leakage                      | Pass – no leakage.   |                                    |
| 5.2.11. Damage                             | Pass – no damage to the closer that would adversely affect its performance to the standard.  |                                    |
| 5.2.12. Latch control                      | Pass – effective over maximum range of 15° from closed position.   |                                    |
| 5.2.13. Back check                         | N/A  |                                    |
| 5.2.14. Delayed closing                    | N/A  |                                    |
| 5.2.15. Adjustable closing force           | N/A  |                                    |
| 5.2.16. Zero position (double action only) | N/A  |                                    |
| 5.2.18. Fire/smoke doors                   | Pass – see other documents for details.  |                                    |

| Essential Characteristic       | Performance   |
|--------------------------------|---|
| durability of self closing     |   |
| 5.2.2 Durability               | Pass – 500,000 test cycles.   |
| 5.2.17.1 Corrosion             | Grade 3.  |
| 5.2.17.2 Corrosion             | Pass – after the salt spray test, the closing moment of the door closer was not less than 80% of that measured prior to the test.   |
| Dangerous substances Annex ZA3 | The materials in the product(s) do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations. |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by:

Date of issue 27<sup>th</sup> September 2021

Astra Door Controls Limited

Astra Business Centre, Roman Way, Preston PR2 5AP, United Kingdom