

Notified body No. 1121

## Certificate of Constancy of Performance

### 1121-CPR-AD5376

In compliance with *Regulation 305/2011/EU 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

### C24V Concealed Door Closer

**Intended use: For use on fire / smoke compartmentation single leaf and double leaf doors CONCEALED IN DOOR & CONCEALED IN TRANSOM APPLICATIONS.**

Essential characteristics	Performance	Harmonised technical specification
	Mechanical Test Evidence: WIL 316449, WIL 316449T & 324426. Fire Test Evidence: 153131 Iss 6	
Self closing		EN 1154:1996/A1:2002/AC:2006
5.2.1 General		
5.2.2 Durability	500,000 test cycles	
5.2.3 Closing moment	Pass size 2 to 4	
5.2.4 Opening moment	Pass size 2 to 4	
5.2.5 Efficiency	>50% size 2	
5.2.5 Efficiency	>60% size 4	
5.2.6 Closing time	Pass	
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	
5.2.11 Damage	Pass	
5.2.12 Latch control	Pass	
5.2.13 Back check (optional)	NPD	
5.2.14 Delayed closing (optional)	NPD	
5.2.15 Adjustable closing force (optional)	Pass	
5.2.16 Zero position (double action door closers only)	NPD	
5.2.18 Fire/smoke door suitability	Pass	
Essential characteristics	Performance	Harmonised technical specification
Durability of Self Closing		EN 1154:1996/A1:2002/AC:2006
5.2.2 Durability	500,000 test cycles	
5.2.17.1 corrosion	Grade 3 (96 hours)	
5.2.17.2 corrosion	Pass	
Dangerous Substances Annex ZA3	Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	

**Certificate of constancy of performance**

**1121-CPR-AD5376**

produced for

**Freeman & Pardoe**  
**Tything Road, Arden Forest Industrial Estate,**  
**Alcester, Warwickshire, B49 6ES**

and produced in the manufacturing plant

**K/019**

This is coded format and the information is held by the Notified Body

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

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

under system 1 of AVCP are applied and that

***the product fulfils all the prescribed requirements set out above.***

This certificate was first issued on **21/02/2018** and will remain valid to the date given below as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Valid to: **20/02/2021**



Paul Duggan  
Certification Manager

**Exova (UK) Limited trading as Warrington Certification**  
**Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK**

