

**CONSTRUCTION PRODUCT REGULATION 2011
DECLARATION OF PERFORMANCE**

No. AD5110

1. *Unique identification code of the product-type:*

5800D Concealed Door Closer

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:*

5800D Concealed Door Closer

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

For use on fire rated single leaf and double leaf doors; Concealed in door

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

Hager Companies
139 Victor St.
St. Louis, MO 63104
USA

5. *Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in 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 harmonized standard:*

EN1154:1996

Notified testing laboratory No. 1121 performed the type testing and issued testing reports.
Certificate of Constancy of Performance – 1121-CPR-AD5110

8. *European Technical Assessment:*

N/A

9. Declaration of performance:


Essential characteristics	Performance	Harmonised technical specification
	Test Ref's : 189820, 189820/C Issue 2, 196069 & 321045.	
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 3	
5.2.4 Opening moment	Pass size 3	
5.2.5 Efficiency	>55% size 3	
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)	NPD	
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	

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 manufacture identified in point 4.

Signed for and on behalf of the manufacture by:

Hager Companies
139 Victor St.
St. Louis, MO 63104
USA


Mark McRae
Director of Engineering

5th December 2016