


FORTRESS INDUSTRIAL CO., LTD.
**CONSTRUCTION PRODUCTS REGULATION 2011
DECLARATION OF PERFORMANCE**
FRTS-DC-DOP-011

1. Unique identification code of the product-type:	T660
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:	T660 Concealed Door Closers
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:	For use on fire and smoke compartmentation doors
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):	FORTRESS INDUSTRIAL CO., LTD No. 103, Xingong 1st Rd., Beidou Township, Changhua County 521, Taiwan, R.O.C
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:	EN 1154: 1996: A1: 2002/AC: 2006 Notified Certification Body No. 1121 performed the type testing and issued test reports.
8. European Technical Assessment:	N/A
9. Declared performance	See table on following page
10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.	See table on following page

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Self closing		
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	EN 1154: 1996: A1: 2002 / AC: 2006
5.2.6 Closing time	Pass	
5.2.7 Angles of operation	Grade 3, >105°<180°	
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	
5.1.12 Latch control	Pass	
5.1.15 Adjustable closing force	Pass	
Essential characteristics	Performance	
<u>Durability of Self Closing</u>		EN 1154: 1996: A1: 2002 / AC: 2006
5.2.2 Durability	500,000 test cycles	
5.2.17.1 corrosion	Grade 4 (240 hours)	
5.2.17.2 corrosion	Pass	
<u>Dangerous Substances Annex ZA3</u>	If a reference to dangerous substances is added in the table ZA 1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Ken Hsu
Assistant Manager – Sales & Marketing Division

Ken Hsu.

FORTRESS INDUSTRIAL CO., LTD
No. 103, Xingong 1st Rd., Beidou Township,
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1st July 2013