



Construction Products Regulation 2011  
DECLARATION OF PERFORMANCE

No. DOP-SHL-DC55-UKCA  
UKCA Certificate of Conformity number AD7829

In accordance with Construction Products Regulation 2011 (retained EU Law EUR 2011/305) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.

- Unique identification code of the product-type: **S500 series Overhead Door closers.**
- Intended use or uses: **For use on fire and smoke compartmentation doors when fitted in accordance with the manufacturers fitting instructions to fulfil the self-closing requirements of such doors.**
- Manufacturer name and address: **Synergy Hardware Ltd. Unit 2 Heath Mill Business Centre, Heath Mill Road, Wombourne, Wolverhampton, WV5 8AP.**
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: **System 1.**
- Harmonised standard: **EN 1154: 1996 A1:2002/AC:2006.**
- Notified body: **1121 Warrington Certification Ltd.**

**Declared Performance, Door-mounted pull side (Fig.1)**

Essential Characteristics	Performance	Harmonised Technical Specification
Self-Closing	<ul style="list-style-type: none"><li>• Closing door angle suitability: <b>&gt;=105° Grade 3</b></li><li>• Door closer power size: <b>EN 2-4</b></li><li>• Efficiency: (<b>&gt;50% Size 2</b>), (<b>&gt;60% Size 4</b>)</li><li>• Closing time: <b>Pass</b></li><li>• Suitability for fire/smoke door use: <b>Pass, Grade 1</b></li><li>• Safety: <b>Pass, Grade 1</b></li><li>• Temperature Dependence -15°C to +40°C: <b>Pass</b></li><li>• Fluid leakage: <b>Pass</b></li><li>• Latch control: <b>Pass</b></li><li>• Backcheck: <b>Pass</b></li><li>• Delayed action: <b>N/A</b></li><li>• Adjustable closing force: <b>Pass</b></li></ul>	EN 1154: 1996/A1:2002/AC:2006
Durability of self-closing	<ul style="list-style-type: none"><li>• 500,000 test cycles: <b>Pass, Grade 8</b></li><li>• Corrosion resistance: <b>Pass Grade 4</b></li></ul>	
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	

**Declared Performance, Door-mounted push side (Fig.6)**

Essential Characteristics	Performance	Harmonised Technical Specification
Self-Closing	<ul style="list-style-type: none"> <li>• Closing door angle suitability: <b>&gt;=105° Grade 3</b></li> <li>• Door closer power size: <b>EN 2-4</b></li> <li>• Efficiency: (<b>&gt;50% Size 2</b>), (<b>&gt;60% Size 4</b>)</li> <li>• Closing time: <b>Pass</b></li> <li>• Suitability for fire/smoke door use: <b>Pass, Grade 1</b></li> <li>• Safety: <b>Pass, Grade 1</b></li> <li>• Temperature Dependence -15°C to +40°C: <b>Pass</b></li> <li>• Fluid leakage: <b>Pass</b></li> <li>• Latch control: <b>Pass</b></li> <li>• Backcheck: <b>N/A</b></li> <li>• Delayed action: <b>N/A</b></li> <li>• Adjustable closing force: <b>Pass</b></li> </ul>	EN 1154: 1996/A1:2002/AC:2006
Durability of self-closing	<ul style="list-style-type: none"> <li>• 500,000 test cycles: <b>Pass, Grade 8</b></li> <li>• Corrosion resistance: <b>Pass Grade 4</b></li> </ul>	
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	

**Declared Performance, Frame-mounted push side (Fig.61)**

Essential Characteristics	Performance	Harmonised Technical Specification
Self-Closing	<ul style="list-style-type: none"> <li>• Closing door angle suitability: <b>&gt;=105° Grade 3</b></li> <li>• Door closer power size: <b>EN 2-4</b></li> <li>• Efficiency: (<b>&gt;50% Size 2</b>), (<b>&gt;60% Size 4</b>)</li> <li>• Closing time: <b>Pass</b></li> <li>• Suitability for fire/smoke door use: <b>Pass, Grade 1</b></li> <li>• Safety: <b>Pass, Grade 1</b></li> <li>• Temperature Dependence -15°C to +40°C: <b>Pass</b></li> <li>• Fluid leakage: <b>Pass</b></li> <li>• Latch control: <b>Pass</b></li> <li>• Backcheck: <b>N/A</b></li> <li>• Delayed action: <b>N/A</b></li> <li>• Adjustable closing force: <b>Pass</b></li> </ul>	EN 1154: 1996/A1:2002/AC:2006
Durability of self-closing	<ul style="list-style-type: none"> <li>• 500,000 test cycles: <b>Pass, Grade 8</b></li> <li>• Corrosion resistance: <b>Pass Grade 4</b></li> </ul>	
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	

The performance of the product identified above is in conformity with the set of declared performance(s).

This declaration of performance is issued under the sole responsibility of the manufacturer listed above.

Signed for and on the behalf of the manufacturer:

A handwritten signature in black ink, appearing to read 'N. Morgan'. The signature is stylized with a large, circular flourish at the end.

Mr Neil Morgan  
Managing Director  
Updated Issue: 22<sup>nd</sup> September 2022