



Construction Products Regulation 2011  
DECLARATION OF PERFORMANCE

No. DOP-SHL-DC81  
CE Certificate of Conformity number AD5201

In accordance with EU Nr.305/2011 (UK)

- Unique identification code of the product-type: **S4004 series Floor springs.**
- 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: **2812 Element Materials Technology Rotterdam BV.**

Declared Performance, Floor-mounted single action

| 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 4</b></li> <li>• Efficiency: (<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>N/A</b></li> </ul> | EN 1154:<br>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 3</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, Floor-mounted double action**

| <b>Essential Characteristics</b> | <b>Performance</b>  | <b>Harmonised Technical Specification</b> |
|----------------------------------|---|---|
| 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 4</b></li><li>• Efficiency: (<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>N/A</b></li><li>• Zero position (double action only) <b>Pass</b></li></ul> | EN 1154:<br>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 3</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:



Mr Neil Morgan  
Managing Director  
Updated Issue: 16<sup>th</sup> November 2020