CERTIFICATE OF APPROVAL No CF5789

This is to certify that, in accordance with TS00 General Requirements for Certification of Fire Protection Products The undermentioned products of

Zhejiang Dorrenhaus Hardware Industry Co Ltd

No. 350 - 1, Guilan Road, Qiaodun Town, Cangnan County, Wenzhou, Zhejiang, China, 325806 Phone: +86- (0) 577 - 64614399

> Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT D503 Door Surface Overhead Closers **TECHNICAL SCHEDULE**

Mounted TS 34 - The Contribution Of Controlled Door Closing Devices And Accessories To Fire Resisting Doorsets

Signed and sealed for and on behalf of Warringtonfire Testing and Certification Limited

Paul Duggan Certification Manager



Issued: Audit Test Frequency: Valid to: 15th January 2021 Annually 14th January 2026



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D503 SURFACE MOUNTED OVERHEAD DOOR CLOSERS

1. This approval relates to the following overhead mounted door closing devices and configurations:

		TABLE 1								
	Link-arms			Slide arms						
	Projecting arm (Fig. 1) Body door mounted on pull face	Projecting arm (Fig. 61) Body transom mounted on push face	Parallel arm (Fig. 6) Body door mounted on push face	Body door mounted on pull face	Body transom mounted on push face	Body door mounted on push face	Body transom mounted on pull face			
D503	\checkmark	×	\checkmark	×	×	×	×			

Key:

Not approved

Note: Where alternative arms for non-fire applications are included within the packaging, the use of these components on fire resisting door assemblies will invalidate the certification.

2. This approval relates to their use with the following door assemblies: -

- approved

Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of up to 120 minutes (Code ITT).

- 3. The closers are approved on the basis of:
 - i) Initial type testing to BS EN 1154 and BS EN 1634-1
 - ii) An appraisal against TS34
 - iii) Certification of quality management system.
 - iv) Inspection and surveillance of factory production control
 - v) On-going audit testing in accordance with EN 1154 requirements
- 4. This approval is applicable only to the specified closers when mounted in the applications stated later under the classification codes section of this certificate and used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987) and having power ratings appropriate to the leaf sizes subject to a minimum size 3 (as specified in BS EN 1154).
- 5. The closers shall be fixed with screws supplied by the closer manufacturer. Bolt-through fixings shall not be used.

Signed J/152

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- 6. Where the closers are fitted to door leaves or frames that are manufactured from mineralbased materials, or low-density cellulosic- based material, the door assembly shall have previously been shown capable of accommodating the installation of closers at the head of the doorset, without detriment to the door assembly's performance.
- 7. Timber based doorset shall be installed in accordance with BS 8214.
- 8. The approval relates to on-going production. The product and/or its immediate packaging are identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
- 9. This certification is provided to the client for their won purposes and we cannot opine on whether it will be accepted by Building Control authorities or any other third parties for any purpose.

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7. The following table show acceptable doorset types and fire resistance periods:

	TABLE 2							
	Approved Door Type							
Class	IMM	ММ	ITT	ITM	ITC			
FD20	×	×	\checkmark	×	×			
FD30	×	×	\checkmark	×	×			
FD60	×	×	\checkmark	×	×			
FD90	×	×	\checkmark	×	×			
FD120	×	×	\checkmark	×	×			
FD240	×	×	×	×	×			
E 20	×	×	\checkmark	×	×			
EI 20	×	×	\checkmark	×	×			
E 30	×	×	\checkmark	×	×			
EI 30	×	×	\checkmark	×	×			
E 60	×	×	\checkmark	×	×			
EI 60	×	×	\checkmark	×	×			
E 90	×	×	\checkmark	×	×			
EI 90	×	×	\checkmark	×	×			
E 120	×	×	\checkmark	×	×			
EI 120	×	×	\checkmark	×	×			
E 240	×	×	×	×	×			
EI 240	×	×	×	×	×			

Key:

- approved

- Not approved

Signed J/152

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8. Doors are classified as the following types:

Code ITT - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in timber-based frames.

Code ITM - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in steel frames.

Code ITC - 20 minute to 120 minute doorsets containing intumescent seals and consisting of timber faced and edged leaves with timber, cellulosic or mineral cores, hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

Code MM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames without intumescent seals.

Code IMM - 20 to 240 minute doorsets consisting of uninsulated or insulated predominantly steel leaves, hung in steel frames with intumescent seals.

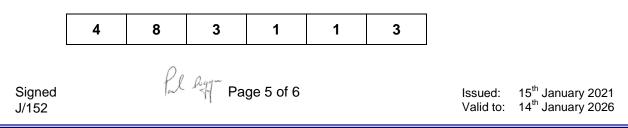
Scope of Approval:

- Doors may not include uninsulated glass above 20% of their total area. Uninsulated glass shall not be included directly beneath the door closer body
- The closers may not be fitted to timber doorsets without perimeter intumescent fire seals to the frame rebate or door edge.
- Mechanical Hold open option is not approved
- The following functions are supported by this certification:

Table 3							
Closer Ref.	Application	Latch Control	Backcheck	Delayed- Action			
D503	All applications detailed approved in Table 1	Yes	No	No			

Classification codes:

Projecting arm (Fig. 1):

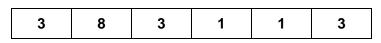


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Classification codes – Cont'd:

Parallel arm (Fig. 6):



Further Information

Further information regarding the details contained in this certificate may be obtained from Synergy Hardware Limited (<u>Tel: 01902</u> 893725).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).

Signed J/152

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