

## Certificate

No. MPA-BS 6000/375-3/19

### Product

Double-leaf steel door with resistance to fire properties  
Dimensions: w x h = 3,890 mm x 3,950 mm (clearance)  
Trade name: Buchele STB

### Supplier

Buchele GmbH  
Industriestraße 3  
D-73061 Ebersbach / Fils

### Production site

Buchele GmbH  
Industriestraße 3  
D-73061 Ebersbach / Fils

### Resistance to fire

**Classes: EI<sub>2</sub> 60, EW 60 and E 60** according to EN 13501-2

Explanation: Class E indicates integrity, class I<sub>2</sub> heat insulation and class W radiation. The accompanying number is the compliance time in minutes.

Test standards: EN 1363-1 and EN 1634-1  
Product standard: EN 16034 (Pedestrian doorsets, industrial, commercial, garage doors and openable windows)

### Certification procedure

The product has been assessed against the requirements of the MPA General Requirements for Certification of Fire Protection Products on the basis of the test report No. 3384/835/10 Wa of 05-06-2012 (see annex for further details).

### Validity

This certificate shall be valid until 16-12-2024 as a maximum, provided that the product is not subject to changes and the product and the factory production control are inspected on a regular basis.

Braunschweig, 17-12-2019

Dr.-Ing. Hinrichs  
Head of Certification



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Annex

Summary of the test results which comply with the EI<sub>2</sub> 60 requirements

Standard	Requirement	Tests performed	
		Test description	Test results
EN 1634-1	Integrity	Ignition or smouldering of a cotton ball	OK, > 66 min
		Insertion of 6 mm gap gauge	OK, > 66 min
		Insertion of 25 mm gap gauge	OK, > 66 min
		Flaming > 10 s	OK, > 66 min
	Maintaining the maximum permissible increase of temperature on the backside of the flame exposure compared to the initial temperature	Duration of test:	60 min
EN 1634-1	Maximum mean value of the admissible temperature rise	$\Delta T_{\text{mean, adm}}$	100 K
EN 1634-1	Maximum single value of the admissible temperature rise	$\Delta T_{\text{max, adm}}$ at the position No.	164 K 2
EN 1634-1	Maximum single value of the admissible temperature rise on the door frame	$\Delta T_{\text{max, door frame}}$ at the position No.	107 K 28
EN 1634-1	Additional test procedure	$\Delta T_{\text{max, single, adm}}$ at the position No.	150 13
EN 1634-1	Maximum single value of radiation of a surface spot > 300°C	Radiation	OK, no surface spot > 300°C identified
EN 1363-1	Maximum rise of the ambient temperature	$\Delta T_{\text{max, rise, amb}}$	+ 1.0 K
		$\Delta T_{\text{max, drop, amb}}$	- 1.0 K
EN 1363-1	Pressure in the test chamber during the test	Mean pressure in the test chamber at normal level	- 5 Pa
EN 1363-1	Pressure in the test chamber during the test	Pressure in the test chamber at the upper edging of the door construction max.	20 Pa
EN 14600	Conditioning of the test specimen before the test	Performance	25 actuation cycles
EN 14600	Conditioning of the test specimen before the test	Conditioning	5,000 actuation cycles