

## Certificate

No. MPA-BS 6000/375-2/19

### Product

Double-leaf steel door with resistance to fire properties  
Dimensions: w x h = 2,900 mm x 2,955 mm (clearance)  
Trade name: Buchele PL 602

### 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 90** 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. 2201/020/16 Wa of 20-04-2017 (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, 16-12-2019

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, 92 min
		Insertion of 6 mm gap gauge	OK, > 92 min
		Flaming > 10 s	OK
	Maintaining of the maximum permissible increase of temperature on the backside of the flame exposure compared to the initial temperature	Duration of test:	92 min
EN 1634-1	Maximum mean value of the admissible temperature rise	$\Delta T_{\text{mean, adm}}$	77 K
EN 1634-1	Maximum single value of the admissible temperature rise	$\Delta T_{\text{max, adm}}$ at the position No.	251 K 24
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.	296 K 29
EN 1363-1	Maximum rise of the ambient temperature	$\Delta T_{\text{max, rise, amb}}$	0.0 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