

Certificate

No. MPA-BS 6000/375-1/19

Product

Single-leaf steel door with resistance to fire properties
Dimensions: w x h = 1,285 mm x 2,705 mm (clearance)
Trade name: Buchele PL 601

Supplier

Buchele GmbH
Industriestraße 3
D-73061 Ebersbach / Fils

Production site

Buchele GmbH
Industriestraße 3
D-73061 Ebersbach / Fils

Resistance to fire

Classes: EI₂ 60, EW 60 and E 60 according to EN 13501-2

Explanation: Class E indicates integrity, class I₂ 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. 3674/644/08 Wa of 30-01-2010 (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

Annex

Summary of the test results which comply with the EI₂ 60 requirements

Standard	Requirement	Tests performed	
		Test description	Test results
	Maintenance of function after mechanical preparation	Function test	OK
EN 1634-1	Integrity	Ignition or smouldering of a cotton ball	OK
		Insertion of gap gauge:	
		6 mm wide gap	OK
		25 mm wide gap	OK
		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:	60 min
EN 1634-1	Maximum mean value of the admissible temperature rise	$\Delta T_{\text{mean, adm}}$ at the position No.	82 K 39
EN 1634-1	Maximum single value of the admissible temperature rise	$\Delta T_{\text{max, adm}}$ at the position No.	100 K 7
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.	186 K 60
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