

1.	Unique identification code of the product-type	<b>MSD-W</b>
2.	Products	Smoke control dampers
	Intended use	Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions. Product-type products may be used only in systems where the damper will change its position prior to the beginning of the smoke evacuation.
	Technical documentation – product information, instruction for installation and maintenance, safety information	Technical specifications <a href="#">TPM 109/15</a>
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic ID 26718405, tel. +420 311 706 706 <a href="mailto:mandik@mandik.cz">mandik@mandik.cz</a> , <a href="http://www.mandik.com">www.mandik.com</a>
5.	System of AVCP	System 1
6.	Harmonised standard	EN 12101-8:2011
	Notified body	Notified body No. 1391 PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek
	Output documents of the notified body	Certificate of Constancy of Performance No. 1391-CPR-2021/0012 Assessment Report of Performance of Construction Product No. P-1391-CPR-2021/0012

7a.	<b>Declared performances – fire resistance classification</b> Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1	
	<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>
		<i>Performance – class of fire resistance</i>
	Horizontal duct	see <a href="#">Technical documentation</a>
	Vertical duct	see <a href="#">Technical documentation</a>
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum <sup>1)</sup>	Rectangular dampers: EI 120 (v <sub>ed</sub> i↔o) S1500C <sub>10000</sub> AAmulti Round dampers: NPD – no performance determined
	Ablative Coated Batt <sup>1)</sup>	Rectangular dampers: EI 120 (v <sub>ew</sub> i↔o) S1500C <sub>10000</sub> AAmulti Round dampers: EI 120 (v <sub>ew</sub> i↔o) S1500C <sub>10000</sub> AAmulti NPD – no performance determined

(table continues)

<sup>1)</sup> Refer to [Technical documentation](#) for the details of the installation type / installation system.

(continuation of the table)

<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
Gypsum plasterboard wall construction – damper in the wall – 125 mm min. wall thickness	Mortar or gypsum <sup>1)</sup>	Rectangular dampers: EI 120 (v <sub>ew</sub> i↔o) S1500C <sub>10000</sub> AAmulti Round dampers: EI 120 (v <sub>ew</sub> i↔o) S1500C <sub>10000</sub> AAmulti
	Ablative Coated Batt <sup>1)</sup>	Rectangular dampers: EI 120 (v <sub>ew</sub> i↔o) S1500C <sub>10000</sub> AAmulti Round dampers: NPD – no performance determined
Solid ceiling construction – damper in the ceiling – 150 mm min. ceiling thickness	Mortar or gypsum <sup>1)</sup>	Rectangular dampers: EI 120 (h <sub>ow</sub> i↔o) S1500C <sub>10000</sub> AAmulti Round dampers: EI 120 (h <sub>ow</sub> i↔o) S1500C <sub>10000</sub> AAmulti
	Ablative Coated Batt <sup>1)</sup>	Rectangular dampers: EI 120 (h <sub>ow</sub> i↔o) S1500C <sub>10000</sub> AAmulti Round dampers: NPD – no performance determined

<sup>1)</sup> Refer to [Technical documentation](#) for the details of the installation type / installation system.

<b>7b. Declared performances – essential characteristics</b> Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1		
<i>Essential characteristics</i>	<i>Requirements (provisions of harmonised standard EN 12101-8:2011)</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Nominal activation conditions/sensitivity	4.2.1.3	Conforms
Response delay (response time)	4.2.1.4	Conforms
Operational reliability	4.3.2.2	10 000 cycles – only load free – conforms <sup>2)</sup>
Fire resistance – integrity (E)	4.1.1 a), 4.3.1	E – conforms
Fire resistance – insulation (EI)	4.1.1 b), 4.3.1	EI – conforms
Fire resistance – smoke leakage (ES)	4.1.1 c), 4.3.1	EIS – conforms
Fire resistance – mechanical stability (under E)	4.1.1 d)	Conforms
Fire resistance – maintenance of cross section (under E)	4.1.1 e)	Conforms
Fire resistance – high operational temperature	4.1.1 f), 4.3.1	NPD – no performance determined
Durability – of response delay	4.3.2.1	Conforms
Durability – of operational reliability	4.3.2.2	10 000 cycles – only load free <sup>2)</sup> – conforms

<sup>2)</sup> Tested without load simulating aerodynamic forces acting on the damper blade during opening or closing.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Hostomice, 2025-01-02



Mgr. Jan Mičan  
CEO, Ppa  
MANDÍK, a.s.

<b>Declared performances – other characteristics</b>		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Damper blade tightness	EN 1751:2024	For rectangular dampers: For 1500x800 mm class 3, otherwise class 2. For round dampers: For Ø 560 mm and bigger – class 3, for smaller diameters class 2.
Damper casing tightness	EN 1751:2024	Class ATC 3 (old marking “C”)