

1.	Unique identification code of the product-type	<b>MSD</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
	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-2026/0051 Assessment Report of Performance of Construction Product No. P-1391-CPR-2026/0051

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>Gap width in range (mm)</i>	<i>Performance – class of fire resistance</i>
Horizontal or vertical smoke extraction ducts tested according to EN 1366-8 or EN 1366-9 - into/onto the duct	Damper installed into/onto a duct with/without grille <sup>1)</sup>	N/A	Rectangular dampers: EI 120 (h <sub>od</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti EI 120 (v <sub>ed</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: NPD – no performance determined
Standard low- and high-density rigid wall construction according to EN 1363-1 - damper in the wall - 100 mm min. wall thickness	Mortar or gypsum <sup>1)</sup>	50–150	Rectangular dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: NPD – no performance determined
	Ablative coated batt <sup>1)</sup>	50–200	
Standard low- and high-density rigid wall construction according to EN 1363-1 - damper in the wall - 125 mm min. wall thickness	Mortar or gypsum <sup>1)</sup>	50–150	Rectangular dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>10000</sub> AAmulti
	Ablative coated batt <sup>1)</sup>	50–200	Rectangular dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: NPD – no performance determined
Standard flexible wall construction, min. EI90. according to EN 1363-1 - damper in the wall - 100 mm min. wall thickness	Mortar or gypsum <sup>1)</sup>	50–150	Rectangular dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: NPD – no performance determined
	Ablative coated batt <sup>1)</sup>	50–200	

(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>Gap width in range (mm)</i>	<i>Performance – class of fire resistance</i>
Standard flexible wall construction, min. EI120, according to EN 1363-1 - damper in the wall - 125 mm min. wall thickness	Mortar or gypsum <sup>1)</sup>	50–150	Rectangular dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>10000</sub> AAmulti
	Ablative coated batt <sup>1)</sup>	50–200	Rectangular dampers: EI 120 (v <sub>ew</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: NPD – no performance determined
Standard low- and high-density rigid floor construction according to EN 1366-2 - damper in the floor - 150 mm min. floor thickness	Mortar or gypsum <sup>1)</sup>	50–150	Rectangular dampers: EI 120 (h <sub>ow</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: EI 120 (h <sub>ow</sub> ) S1500[H]C <sub>10000</sub> AAmulti
	Ablative coated batt <sup>1)</sup>	50–200	Rectangular dampers: EI 90 (h <sub>ow</sub> ) S1500[H]C <sub>mod</sub> HOT400/30AAmulti Round dampers: NPD – no performance determined

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


7b. Declared performances – essential characteristics		
Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1		
Essential characteristics	Requirements (provisions of harmonised standard EN 12101-8:2011)	Performance (lever or class) / Compliance with the requirements
Nominal activation conditions/sensitivity	4.2.1.3	Conforms
Response delay (response time)	4.2.1.4	Conforms
Operational reliability	4.4.2.2	Rectangular dampers: C <sub>mod</sub> – conforms Round dampers: C <sub>10000</sub> – conforms
Fire resistance – integrity (E)	4.1.1 a), 4.4.1	E – conforms
Fire resistance – insulation (EI)	4.1.1 b), 4.4.1	EI – conforms
Fire resistance – smoke leakage (ES)	4.1.1 c), 4.4.1	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), 4.4.1	Rectangular dampers: HOT 400/30 – conforms Round dampers: NPD – no performance determined
Durability – of response delay	4.4.2.1	Conforms
Durability – of operational reliability	4.4.2.2	Rectangular dampers with control mechanisms: - Belimo actuators (BEN/BEE/BE): C <sub>mod</sub> - Schischek actuators (InMax-50.75S): C <sub>mod</sub> connected with control modules: - MDC(P)M <sup>21</sup> : C <sub>mod</sub> - AGNOSYS BRM/IOM-10-F: C <sub>mod</sub> - MANDGUARD: C <sub>mod</sub> - MANDIKCORE: C <sub>mod</sub> - BUSTEC BKNE230-24RB: C <sub>mod</sub>  Round dampers with control mechanisms: - Belimo actuators (BEN): C <sub>10000</sub> connected with control modules: - MDC(P)M <sup>21</sup> : C <sub>10000</sub> - AGNOSYS BRM/IOM-10-F: C <sub>10000</sub> - MANDGUARD: C <sub>10000</sub> - MANDIKCORE: C <sub>10000</sub> - BUSTEC BKNE230-24RB: C <sub>10000</sub>

<sup>21</sup> The control modules shall be installed in a separate calcium silicate housing.

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, 2026-04-15

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

<b>Declared performances – other characteristics</b>		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (level 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 $\varnothing$ 560 mm and bigger – class 3, for smaller diameters class 2.
Damper casing tightness	EN 1751:2024	Class ATC 3 (old marking “C”)