

1.	Unique identification code of the product-type	MSD
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 TPM 109/15
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic ID 26718405, tel. +420 311 706 706 mandik@mandik.cz , www.mandik.com
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-2021/0084 Assessment Report of Performance of Construction Product No. P-1391-CPR-2021/0084

7a. Declared performances – fire resistance classification 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 or vertical duct	Damper with grille ¹⁾	Rectangular dampers: EI 120 (v _{ed} -h _{od} i↔o) S1500C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
	Damper without grille ¹⁾	Rectangular dampers: EI 90 (v _{ed} -h _{od} i↔o) S1500C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ¹⁾	Rectangular dampers: EI 120 (v _{ew} i↔o) S1500C _{mod} HOT400/30AAmulti Round dampers: EI 120 (v _{ew} i↔o) S1500C ₁₀₀₀₀ AAmulti
	Weichschott / Ablative Coated Batt ^{1),2)}	Rectangular dampers: EI 90 (v _{ew} i↔o) S1500C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined

(table continues)

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

²⁾ Installation materials may be replaced by a similar approved system of the equivalent performance.

(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 ¹⁾	Rectangular dampers: EI 120 ($v_{ew} i \leftrightarrow o$) S1500C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Weichschott / Ablative Coated Batt ^{1),2)}	Rectangular dampers: EI 90 ($v_{ew} i \leftrightarrow o$) S1500C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined
Solid ceiling construction – damper in the ceiling – min. wall thickness 150 mm for concrete, 125 mm for aerated concrete	Mortar or gypsum ¹⁾	Rectangular dampers: EI 120 ($h_{ow} i \leftrightarrow o$) S1500C _{mod} HOT400/30AAmulti Round dampers: EI 120 ($h_{ow} i \leftrightarrow o$) S1500C ₁₀₀₀₀ AAmulti
Solid ceiling construction – damper in the ceiling – min. wall thickness 110 mm for concrete, 125 mm for aerated concrete	Mortar or gypsum ¹⁾	Rectangular dampers: EI 90 ($h_{ow} i \leftrightarrow o$) S1500C _{mod} HOT400/30AAmulti Round dampers: EI 90 ($h_{ow} i \leftrightarrow o$) S1500C ₁₀₀₀₀ AAmulti
	Weichschott / Ablative Coated Batt ^{1),2)}	Rectangular dampers: EI 90 ($h_{ow} i \leftrightarrow o$) S1500C _{mod} HOT400/30AAmulti Round dampers: NPD – no performance determined

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

²⁾ Installation materials may be replaced by a similar approved system of the equivalent performance.

7b. Declared performances – essential characteristics		
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	Rectangular dampers: C _{mod} – conforms Round dampers: C ₁₀₀₀₀ – conforms
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	Rectangular dampers: HOT 400/30 – conforms Round dampers: NPD – no performance determined
Durability – of response delay	4.3.2.1	Conforms
Durability – of operational reliability	4.3.2.2	Conforms

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, 2022-07-01



Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Damper blade tightness	EN 1751:2014	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 1751:2014	Class C

Additional provisions for use of the product in Austria

The product-type products meet also all requirements of ÖNORM H 6025 standard.