

1.	Unique identification code of the product-type	<b>SEDM</b> The product-type products may be delivered also under identification code MULTI EKM, and BRK/E/EI90/M/HOT.
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 087/12</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-2020/0066/O1 Assessment Report of Performance of Construction Product No. P-1391-CPR-2020/0066/O1

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	Overlaying cement lime plates <sup>1)</sup>
	Vertical duct	Overlaying cement lime plates <sup>1)</sup>
	Solid wall construction – damper in the wall – 100 mm minimum wall thickness for aerated concrete	Mineral wool <sup>1)</sup>
		EI 120 (v <sub>ed</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30MAmulti EI 120 (v <sub>ed</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30AAmulti
		EI 120 (h <sub>od</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30MAmulti EI 120 (h <sub>od</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30AAmulti
		EI 120 (v <sub>ew</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30AAmulti

(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>	EI 120 (v <sub>ew</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30AAmulti EI 90 (v <sub>ew</sub> i↔o) S1500C <sub>mod</sub> HOT 400/30MAmulti <sup>3),4)</sup>
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mineral wool <sup>1)</sup>	EI 120 (v <sub>ew</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30AAmulti
	Weichschott <sup>1),2)</sup>	EI 90 (v <sub>ew</sub> i↔o) S1500C <sub>mod</sub> HOT 400/30 AAmulti <sup>3)</sup>
Solid ceiling construction – damper in the ceiling – ceiling thickness min. 150 mm for aerated concrete	Mineral wool <sup>1)</sup>	EI 120 (h <sub>ow</sub> i↔o) S1500C <sub>mod</sub> HOT 400/30MAmulti <sup>3)</sup> EI 90 (h <sub>ow</sub> i↔o) S1000C <sub>mod</sub> HOT 400/30AAmulti
	Weichschott <sup>1),2)</sup>	EI 120 (h <sub>ow</sub> i↔o) S1500C <sub>mod</sub> HOT 400/30MAmulti <sup>4)</sup>

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

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

<sup>3)</sup> In practice, the dampers will never be in open position at the beginning of danger from smoke.

<sup>4)</sup> Tested at increased overpressure of 500 Pa.

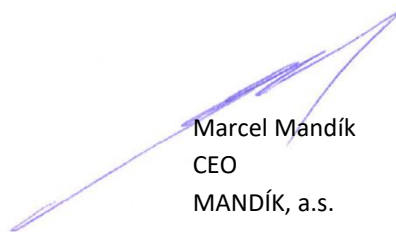
<b>7b. Declared performances – other essential characteristics</b> Essential characteristics in accordance with EN 15650:2010, art. 4.1.1		
<i>Essential characteristics</i>	<i>Requirements (provisions of harmonised standard EN 12101-8:2011)</i>	<i>Performance (level or class) / Compliance with the requirements</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	C 10 000 – conforms C <sub>mod</sub> – conforms
Fire resistance – integrity (E)	4.1.1 a)	E – conforms
Fire resistance – insulation (EI)	4.1.1 b)	EI – conforms
Fire resistance – smoke leakage (ES)	4.1.1 c)	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)	HOT 400/30 – conforms
Durability – of response delay	4.3.2.1	Conforms
Durability – of operational reliability	4.3.2.2	Conforms

7c. Declared performances – other characteristics		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (level or class) / Compliance with the requirements</i>
Damper blade tightness	EN 1751:2014	Class 2
Damper casing tightness	EN 1751:2014	Class C

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, 11 June 2020



Marcel Mandík  
CEO  
MANDÍK, a.s.