MANDÍK®

Declaration of Performance

issued acc. to attachement III of EU directive No. 305/2011

No. CDM/FDMD/001/14

1. **Unique identification code of product type:**
   FDMD (TPM 092/13).

2. **Type, series, serial number, or any other element enabling building product identification according to Article 11 (4):**
   FDMD – Fire Damper. Hereinafter the trade description of the identical product specified in p. 3, round design

3. **Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification:**
   The fire dampers are used in conjunction with partions to maintain fire compartments and protect means of escape in case of fire in heating, ventilation and airconditioning (HVAC) systems in buildings, under methods of use and installation conditions stated in certification report and related documentation TPM 092/13 valid from 1.6.2013.
   The fire dampers serves for elimination of fire and smoke spreading according to EN 15560:2010
   available with fire resistance EIS 90, EIS 120

   Variants of trade description containing identical technical solution/design:
   BSK-D-90-R
   Starting/actuation/drive:
   - El. actuator with emergency function, manufacturer Belimo, Gruner, Schischek 24V, 110V, 230V
   - Mechanical equipped by thermal fuse and using the energy of return spring

   Equipment:
   - Limit switches (open/close position)
   - Communication modules and superior governing systems (e.g. GBS)
   - Smoke, pressure, motion and temperature sensors
   - Electromagnet (solenoid system)

4. **Name, registred trade name or registred trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):**
   MANDÍK, a.s., Dobříšská 550, 26724, Hostomice, Česká republika

5. **If appropriate, name and contact address of authorized representative whose power of attorney applies to the tasks specified in Article 12 (2):**
   Not relevant

6. **Assesment and verification system of constancy of building product properties according to Annexe V:**
   1, (see Annexe V, point 1.2 of EU Parlament and Council Directive (EU) No. 305/2001 issued on 9.3.2011 + Correction of EU Parlament and Council Directive (EU) No. 305/2001 issued on 9.3.2011)

7. **In case of the Declaration of Performance concerning a construction product covered by a harmonised standard:**
   PAVUS,a.s., Notified Body No. 1391, Prosecká 412/74, 190 00 Praha 9, VAT No.: 60193174 provided initial inspection in company of producer, production management, continuous supervision, review and evaluation of production management according to the system 1 and issued ES Certificate of Constancy of Performance No. 1391 – CPR – 0089/2014 dated 27.6.2014

8. **In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**
   Not relevant

9. Assessed properties of the product

Essential characteristics	Requirement clauses in EN 15650:2010	Requirement
Nominal activation conditions/sensitivity	4.2.1.2	EN 15650, Art. 4.2.1.2
_- sensing element load bearing capacity	4.2.1.2.2	EN 15650, Art. 5.2.5
_- sensing element response temparature	4.2.1.2.3	EN 15650, Art. 5.2.5
Response delay (response time): _- closure time	4.2.1.3	EN 1366-2, Art. 10.4.6
Operational reliability: _- cycling	4.3.1 , a)	The fire damper conforms to cycle test if 50 cycles are done prior to the fire test
Fire restistance		
_- integrity	4.1.1, a)	E
_- insulation	4.1.1, b)	EI
_- smoke leakae	4.1.1, c)	ES/EIS
_- mechanical stability (under E)	4.1.1, a)	-
_- maintenance of the cross section (under E)	4.1.1, a)	-
Durability of response delay: _- senssing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	EN 15650, Art. 4.2.1.2
Durability of oerationl reliability:	4.3.3.2	EN 15650, Annex C.3.2
_- open and closing cycle tests		
Resistance against corrosion	4.2.2 Annex B	Increased resistance against corrosion - Salt spray exposure test (EN 60068-2-52)

10. The performance of the product identified in points 1 and 2 is in full conformity with the properties in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

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Marcel Mandík
Chairman of the Board of Directors of MANDÍK, a.s.

In Hostomice on 29th of July 2014

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