

Declaration of Performance
issued acc. to attachment III of EU directive No. 305/2011

No. CDM/FDMC/001/14

- 1. Unique identification code of product type:**
FDMC (TPM 083/12).
- 2. Type, series, serial number, or any other element enabling building product identification according to Article 11 (4):**
FDMC – 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 083/12.
The fire dampers serves for elimination of fire and smoke spreading according to EN 15560:2010 available with fire resistance EIS 60
Detailed information about installation possibilities is mentioned in annex No.1 and TPM 083/12.
Variants of trade description containing identical technical solution/design:
BSK-C-60-R
Starting/actuation/drive:
- El. actuator with emergency function, manufacturer Belimo, Gruner, Schischek 24V, 110V, 230V
Equipment:
- Limit switches (open/close position)
- Communication modules and superior governing systems (e.g. GBS)
- Smoke, pressure, motion and temperature sensors
- 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 Parliament and Council Directive (EU) No. 305/2001 issued on 9.3.2011 + Correction of EU Parliament 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 – 0090/2014 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 temperature	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 resistance		
_ - integrity	4.1.1, a)	E
_ - insulation	4.1.1, b)	EI
_ - smoke leakage	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: _ - sensing 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 operational reliability: _ - open and closing cycle tests	4.3.3.2	EN 15650, Annex C.3.2
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:


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

 MANDÍK, a.s.
 267 24 Hostomice, Dobříšská 550
 www.mandik.cz


In Hostomice on 28th of July 2014

ANNEX No.1 - General table of installations
Fire Test according to EN 1366-2
Classification according to EN 13501-3

Product	Description	Type	Wall	Sealing	Classification	Certificate/Report
FDMC	Round - range from 100 mm up to 400 mm	Rigid wall	aerated concrete min 100 mm	with mortar (mortar, gypsum, concrete)	EI 60 (v ₀ i ↔ o)S (300 Pa)	1391-CPD-0134/2012
			aerated concrete min 100 mm	with mineral stone wool	EI 60 (v ₀ i ↔ o)S (300 Pa)	1391-CPD-0134/2012
		Rigid floor	aerated concrete min 150 mm	with mortar (mortar, gypsum, concrete)	EI 60 (h ₀ i ↔ o)S (300 Pa)	1391-CPD-0134/2012
			aerated concrete min 150 mm	with mineral stone wool	EI 60 (h ₀ i ↔ o)S (300 Pa)	1391-CPD-0134/2012
		Flexible light wall	metal stud gypsum plasterboard 100 mm	with mortar (mortar, gypsum, concrete)	EI 60 (v ₀ i ↔ o)S (300 Pa)	1391-CPD-0134/2012
			metal stud gypsum plasterboard 100 mm	with mineral stone wool	EI 60 (v ₀ i ↔ o)S (300 Pa)	1391-CPD-0134/2012

