Declaration of performance DoP/FV-EU/DE/002





1	Product Unique identification code of the product type	FV-EU		
2	Intended use	Fire damper		
3	Manufacturer	TROX GmbH Heinrich-Trox-Platz 47504 Neukirchen-Vluyn, Germany	Phone Fax E-mail Internet	+49 (0)2845 2020 +49 (0)2845 202265 trox@trox.de
5	System of assessment and verification of constancy of performance	System 1		
6	Harmonised standard Notified body/ies	EN 15650:2010 The notified body 1322 - IBS carried out the initial inspection of the manufacturing plants and of the factory production control as well as the continuous surveillance, assessment and evaluation of factory production control according to System 1 of the Construction Products Regulation and issued the certificate of constancy of performance: 1322-CPR-74135/08		

7 Declared performances

Essential characteristic: fire resistance — size [mm]: Ø 100 to Ø 200					
Supporting construction	Construction details	Installation location	Installation type	Class of performance (EI TT)	
Solid wall	• d ≥ 100 mm • ρ ≥ 500 kg/m ³	in the wall	Mortar-based installation	EI 120 (v _e i↔o) S	
	• d ≥ 100 mm • ρ ≥ 500 kg/m³	in the wall	Dry mortarless installation	El 90 (v _e o → i) S (*)	
Lightweight partition wall	 Metal stud wall, gypsum plasterboard DF d ≥ 100 mm 	in the wall	Mortar-based installation	EI 120 (v _e i↔o) S	

(*) o \rightarrow i: tested with the connection on the non-exposed side

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	Essential characteristic: fire resistance — size [mm]: Ø 100 to Ø 200				
Supporting construction	Construction details	Installation location	Installation type	Class of performance (EI TT)	
Lightweight partition wall	Metal stud wall, gypsum plasterboard DF d ≥ 100 mm	in the wall	Dry mortarless installation	El 60 (v _e o → i) S (*)	
Solid ceiling slab	• d ≥ 150 mm • ρ ≥ 600 kg/m³	in the ceiling	Mortar-based installation	El 90 (h₀ i↔o) S	
	• d ≥ 150 mm • ρ ≥ 600 kg/m³	in the ceiling	Mortar-based installation	El 120 (h_o $o \rightarrow i$) S (*)	
	 d ≥ 150 mm ρ ≥ 600 kg/m³ 	in the ceiling	Dry mortarless installation	El 60 (h₀ o → i) S (*)	

(*) o \rightarrow i: tested with the connection on the non-exposed side

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7 Declared performances

Essential characteristics	Technical specification	Performance
Nominal activation conditions/sensitivity		
 Sensing element load-bearing capacity Sensing element response temperature 72 °C 	ISO 10294-4:2001	Pass
Response delay/response time	EN 4000 0 4000	
Closure time	EN 1366-2:1999	Pass
Operational reliability	EN 15650:2010	Pass
Open and closing cycle, 50 cycles	EN 1366-2:1999	
Durability of response delay	100 10004 4:0001	Pass
Sensing element response to temperature and load-bearing capacity	ISO 10294-4:2001	
Durability of operational reliability	EN 45050 0040	NDD
Testing of the open and closing cycle	EN 15650:2010	NPD
Protection against corrosion	EN 15650:2010	Pass
Damper blade leakage	EN 1366-2:1999	Pass
Damper casing leakage	EN 15650:2010	Pass

The classification of the fire damper must not be higher than the classification of the wall or ceiling slab it is installed in. In this case the classification of the fire damper is reduced to the certified classification of the wall/ceiling slab.

The performance of the product identified above is in conformity with the set of declared performances. 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 TROX GmbH:

Neukirchen-Vluyn, 1 March 2015