





# Declaration of performance

DoP/FV-EU/DE/002



**TROX<sup>®</sup> TECHNIK**  
The art of handling air

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	<ul style="list-style-type: none"> <li>• Metal stud wall, gypsum plasterboard DF</li> <li>• <math>d \geq 100 \text{ mm}</math></li> </ul>	in the wall	Dry mortarless installation	EI 60 ( $v_e o \rightarrow i$ ) S (*)
 Solid ceiling slab	<ul style="list-style-type: none"> <li>• <math>d \geq 150 \text{ mm}</math></li> <li>• <math>\rho \geq 600 \text{ kg/m}^3</math></li> </ul>	in the ceiling	Mortar-based installation	EI 90 ( $h_o i \leftrightarrow o$ ) S
	<ul style="list-style-type: none"> <li>• <math>d \geq 150 \text{ mm}</math></li> <li>• <math>\rho \geq 600 \text{ kg/m}^3</math></li> </ul>	in the ceiling	Mortar-based installation	EI 120 ( $h_o o \rightarrow i$ ) S (*)
	<ul style="list-style-type: none"> <li>• <math>d \geq 150 \text{ mm}</math></li> <li>• <math>\rho \geq 600 \text{ kg/m}^3</math></li> </ul>	in the ceiling	Dry mortarless installation	EI 60 ( $h_o o \rightarrow i$ ) 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
<b>Nominal activation conditions/sensitivity</b> <ul style="list-style-type: none"><li>Sensing element load-bearing capacity</li><li>Sensing element response temperature 72 °C</li></ul>	ISO 10294-4:2001	Pass
<b>Response delay/response time</b> <ul style="list-style-type: none"><li>Closure time</li></ul>	EN 1366-2:1999	Pass
<b>Operational reliability</b> <ul style="list-style-type: none"><li>Open and closing cycle, 50 cycles</li></ul>	EN 15650:2010 EN 1366-2:1999	Pass
<b>Durability of response delay</b> <ul style="list-style-type: none"><li>Sensing element response to temperature and load-bearing capacity</li></ul>	ISO 10294-4:2001	Pass
<b>Durability of operational reliability</b> <ul style="list-style-type: none"><li>Testing of the open and closing cycle</li></ul>	EN 15650:2010	NPD
<b>Protection against corrosion</b>	EN 15650:2010	Pass
<b>Damper blade leakage</b>	EN 1366-2:1999	Pass
<b>Damper casing leakage</b>	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

Jan Heymann • Authorised Representative • CE-marked products