

# Declaration of performance

DoP/FKT-EU/001



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

<b>1 Product</b>	<b>FKT-EU</b>
Unique identification code of the product type	
<b>2 Intended use</b>	Tunnel fire damper
<b>3 Manufacturer</b>	<p>TROX GmbH Heinrich-Trox-Platz 47504 Neukirchen-Vluyn, Germany</p> <p>Phone +49 (0)2845 2020 Fax +49 (0)2845 202265 E-mail trox@trox.de Internet www.troxtechnik.com</p>
<b>5 System of assessment and verification of constancy of performance</b>	System 1
<b>6 Harmonised standard</b>	EN 15650:2010
<b>Notified body/ies</b>	<p>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:</p> <p>1322-CPR-74135/09</p>

**7 Declared performances**

Table 1

Essential characteristic: fire resistance HCM temperature curve – size [mm]: 300 x 400 to 600 x 600				
Supporting construction	Construction	Installation location	Installation type	Class of performance (EI TT)
	<ul style="list-style-type: none"> <li>d ≥ 250 mm</li> <li>ρ ≥ 2300 kg/m<sup>3</sup></li> </ul>	in the wall	Dry mortarless installation	EI 120 (v <sub>e</sub> i → o) S

A Installation side, exposed side (i) • B Operating side, non-exposed side (o)

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Table 2

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, 95 °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 1366-2:2015	Pass
<b>Operational reliability</b> <ul style="list-style-type: none"> <li>Open and closing cycle, 50 cycles</li> </ul>	EN 15650:2010 EN 1366-2:2015	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> Testing of the open and closing cycle	EN 15650:2010	Pass
<b>Protection against corrosion</b>	EN 15650:2010	NPD
<b>Damper blade leakage</b>	EN EN 1751:2014	At least class 2
<b>Damper casing leakage</b>	EN EN 1751:2014	Class C

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 October 2016

*J. Heymann*  
Jan Heymann • Authorised Representative • CE-marked products