



**BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION**

Founders : *BBRI and SECO*  
Accredited certification body n° 021

Rue d'Arlon 53  
BE - 1040 BRUSSELS

Tel.: + 32 2 238 24 11  
Fax: + 32 2 238 24 01



**EC-CERTIFICATE OF CONFORMITY**

**0749 – CPD**

**BC1 - 606 - 4645 - 15650.03 - 4651**

In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993 and Regulation (EC) No 1882/2003 of the European Parliament and of the Council of 29 September 2003, it is stated that the factory made fire dampers used for building equipment and industrial installations

Productname

**Circular fire dampers “FKR-EU”**

Placed on the market by

**TROX GmbH**  
**Heinrich-Trox-Platz**  
**DE - 47504 NEUKIRCHEN-VLUYN**

And produced in the factory

**TROX - Werk Anholt**  
**Gendringer Strasse 85**  
**DE - 46419 ISSELBURG-ANHOLT**

are submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan. The approved body BCCA has checked the initial type-testing reports for the relevant characteristics of the product as listed on pages 2 and 3 of this certificate, the initial inspection of the factory and the factory production control and performs the continuous surveillance, assessment and approval of the factory production control. This certificate attests that all provisions under the responsibility of the approved body concerning the attestation of conformity and the performances described in annex ZA of the standard

**EN 15650 : 2010**

were applied and that the factory production control systems fulfils the prescribed requirements.

This certificate was first issued on **01/09/2012** and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly and latest on **01/09/2017**. The validity of this certificate shall be confirmed by BCCA once a year. On any substantiated request, BCCA will give information about the validity of the certificate.

Brussels, 27/02/2013



ir. Benny De Blaere  
General Manager

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**FKR-EU**

**Single blade circular fire damper**

**Release mechanism and actuators**

- Fusible link 72°C / 95°C (optional: powder coated), closing spring
- Belimo B(L)F-T(-ST)(-2)-TR: general purpose actuator with release mechanism 72°C / 95°C

**Fire resistance according to EN 1366-2 and classification according to EN13501-3:**

- Maintenance of the cross section (under E)
- Integrity E
- Insulation I
- Smoke leakage S
- Mechanical stability (under E)

Range	Type	Wall	Sealing	Classification
Ø 315 up to Ø 800 [mm]	Rigid floor	Aerated concrete min. 150 mm, reduced casing distances 40 mm, reduced distance to supporting constructions 40 mm	In the floor with mortar (wet mounting)	EI 120 (h <sub>o</sub> i↔o) S - (300 Pa)
	Rigid wall	Aerated concrete min. 100 mm, reduced casing distances 40 mm, reduced distance to supporting constructions 40 mm	In the wall with mortar (wet mounting)	EI 120 (v <sub>e</sub> i↔o) S - (300 Pa)
	Flexible wall	Metal stud gypsum plasterboard GKF min. 100 mm, with or without mineral wool, reduced casing distances 40 mm, reduced distance to supporting constructions 40 mm	In the wall with mortar (wet mounting)	EI 90 (v <sub>e</sub> i↔o) S - (300 Pa)
		"Brandwand" - Metal stud partition min. 115 mm, with steel plates, reduced casing distances 40 mm, reduced distance to supporting constructions 40 mm	In the wall with mortar (wet mounting)	EI 90 (v <sub>e</sub> i↔o) S - (300 Pa)
	Shaft-wall	Metal stud shaftwall, one side plated min. 90 mm, 2 x 20 mm GKF, reduced distance to supporting constructions 40 mm	In the wall with mortar (wet mounting)	EI 90 (v <sub>e</sub> i↔o) S - (300 Pa)
		Shaftwall without metal stud, min. 50 mm, 2 x 25 mm GKF, reduced distance to supporting constructions 40 mm	In the wall with mortar (wet mounting)	EI 90 (v <sub>e</sub> i↔o) S - (300 Pa)

Remark: In no case the classification of the damper can be higher than the classification of the wall/floor it is installed. In that case the classification of the fire damper is reduced to the classification of this wall/floor.



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<b>Nominal activation conditions/sensitivity according to ISO 10294-4:</b> <ul style="list-style-type: none"><li>- sensing element load bearing capacity</li><li>- sensing element response temperature</li></ul>	Pass
<b>Response delay (response time) according to EN 1366-2:</b> <ul style="list-style-type: none"><li>- closure time</li></ul>	Pass
<b>Operational reliability according to EN 1366-2:</b> <ul style="list-style-type: none"><li>- cycling</li></ul>	Pass
<b>Durability of response delay according to ISO 10294-4:</b> <ul style="list-style-type: none"><li>- sensing element response temperature and load bearing capacity</li></ul>	Pass
<b>Durability of operational reliability according to EN 15650:</b> <ul style="list-style-type: none"><li>- open and closing cycle</li></ul>	B(L)F-T(-ST)(-2)-TR: 10 000 cycles – passed
<b>Protection against corrosion according to EN 60068-2-52:</b>	NPD
<b>Damper blade leakage according to EN 1751:</b>	Class 4
<b>Damper casing leakage according to EN 1751:</b>	Class C