

CERTIFICATE OF CONSTANCY OF PERFORMANCE

N° 2822-UKCA-CPR-0054

In compliance with Regulation 2020 N°1359 of The construction Products (EU exit) Regulation 2020, it was established that the construction product:

Product

Fire Damper

Reference of the product

CR2

Placed on the market by or for

**RF TECHNOLOGIES
Lange Ambachtstraat 40
9860 Oosterzele
Belgium**

and produced in the manufacturing plant
located in

Oosterzele, Belgium

is submitted by the manufacturer to a factory production control, and that the approved certification body EFECTIS UK/Ireland, has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of factory production control.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performance, described in Annex ZA of the standard **BS EN 15650: 2010** under system 1 are applied, and that the product(s) fulfill(s) all the prescribed requirements set out above.

This certificate, first issued on **October 20th 2022**, remains valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product and the manufacturing conditions in the plant are not modified significantly.

This certificate allows the manufacturer, its mandatories or its distributors, stated in the United Kingdom Economic Area, to affix the UKCA marking.

Certificate established at Belfast on: **20/10/2022**

By the Technical Certification director,

Daniel Joyeux
Technical Certification Director



Approved body
Nr 2822

**ANNEX TO THE CERTIFICATE OF CONSTANCY OF PERFORMANCE
TO THE STANDARD EN 15650: 2010**

Product **Fire Damper**

Reference of the product **CR2**

Certificate delivered to **RF TECHNOLOGIES
Lange Ambachtstraat 40
9860 Oosterzele
Belgium**

CLASSIFICATION

Working pressure: - 300 Pa

For dampers mounted in a flexible wall construction type F gypsum plasterboard (GKF) (th = 100 mm) and penetration seal type mineral wool + coating (PROMAT or HILTI) seal or clustered seal

For dampers mounted in a flexible wall construction type F gypsum plasterboard (th = 100 mm) and penetration seal with mortar – Vertical and horizontal axis

For dampers mounted in a flexible wall construction type F gypsum plasterboard partition and sealed with stone wool + plasterboard

E I 90 (v_e i ↔ o) S

For dampers mounted in a flexible wall construction type F gypsum plasterboard (GKF) (th = 100 mm) and penetration seal type mineral wool + coating (Mulcol seal)

For dampers mounted in a flexible wall construction type A gypsum plasterboard (GKB) (th = 100 mm) and penetration seal type mineral wool + coating (PROMAT or HILTI or Mulcol seal) or clustered seal

E I 60 (v_e i ↔ o) S

For dampers mounted in a PAROC AST S sandwich panel wall sealed with coated stone wool and horizontal axis

E I 120 (v_e i ↔ o) S

For dampers mounted in a rigid floor construction, aerated concrete, (th ≥ 150 mm) and penetration seal type mineral wool + coating (Promat or Hilti seal) or clustered seal

E I 120 (h_o i ↔ o) S

Working pressure: - 500 Pa

For dampers mounted in a wall made of aerated concrete th ≥ 100 mm – bulk density = 550 kg/m³

For dampers mounted in a partition made of gypsum block th ≥ 70 mm - bulk density = 850 kg/m³

For dampers mounted in a flexible wall construction type F gypsum plasterboard partition and sealed with plaster

E I 120 (v_e i ↔ o) S

For dampers mounted in a flexible wall construction type A gypsum plasterboard partition

E I 60 (v_e i ↔ o) S



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For dampers mounted in a rigid floor construction, aerated concrete, (th≥150 mm) – bulk density: 650 kg/m³

E I 120 (h_o i ↔ o) S

DESCRIPTION OF THE RANGE

Circular fire dampers: Diameter from 200 mm up to 630 mm

- Steel housing: galvanized steel th= 2 mm and length = 375 mm
- Damper blade: made of 2 fiber silicate boards (th = 25 mm per board)
- Actuating mechanism installed on the outside of the fire damper: Automatic, motor operated or remote controlled mechanism

DECLARED CHARACTERISTICS

Nominal activation conditions: (EN ISO 10294-4)	Compliant
Sensing element load bearing capacity	Compliant
Sensing element response temperature	Compliant
Response delay closure time :	2 s
Closure time	50 cycles – Compliant
Operational reliability	Compliant
Durability of response delay (EN ISO 10294-4)	10000 cycles – Compliant*
Durability of operational reliability	300 cycles – Compliant**
	50 cycles – Compliant***

- * : with actuator UNIQ VD/VM FDC(U)(B)(ME) or ONE T FDC(U)(B) or BFL(L) & BFN(T)
 ** : with actuator MANO
 *** : with actuator CFHT

FIELD OF APPLICATION

Classification for fire dampers tested horizontally in a floor with fire from below are acceptable in installation with fire from above.

Classification applicable for fire dampers separated from 30 mm up to 200 mm in separate ducts and from 30 mm up to 75 mm between a fire damper and the constructional element.

For clustered dampers a maximum of 3 next to each other horizontally or vertically or a maximum of 4 fire dampers clustered is allowed.

The fire dampers may be installed with a blade axis at any angle, except for clustered dampers when the angle of the blade axis is limited to 45°.

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