Efectis UK/Ireland

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CERTIFICATE OF CONSTANCY OF PERFORMANCE N° 2822-UKCA-CPR-0057

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	**CU2,CU2-L500&CU2/B, CU2-L500/B**
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

UKAS PRODUCT CERTIFICATION
10169

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	**CU2,CU2-L500&CU2/B, CU2-L500/B**
Certificate delivered to	**RF TECHNOLOGIES** **Lange Ambachtstraat 40** **9860 Oosterzele** **Belgium**

CLASSIFICATION

Working pressure: - 300 Pa

For dampers (1200 x 800 mm to 1500 x 800mm) mounted in a flexible construction made of metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm- sealing stone wool density ≥ 40 kg/m³ + cover plate (horizontal axis)

For dampers (4 dampers of 200 x 200 mm to 1500 x 800 mm and multiple assembly ≤ 3050 x 1650 mm) mounted in a rigid construction made of reinforced concrete th ≥ 110 mm – sealing mortar (horizontal axis)

E I 120 (v_e i ↔ o) S

For dampers (200 x 200 mm to 1200 x 800mm) mounted in a flexible construction Type F gypsum plasterboard (EN 520) – th ≥ 100 mm and penetration seal type mineral wool +coating (Promat, HILTI or MUCOL seal) or clustered seal

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m³ – sealing motar (horizontal axis)

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in a flexible construction made of metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm- sealing motar (horizontal axis)

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in a flexible construction: sandwich panel wall construction type PAROC AST th ≥ 100 mm – sealing HILTI CFS-CT B 1S (horizontal axis)

For dampers (200 x 200 mm to 1200 x 800mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m³ – sealing gypsum (horizontal or vertical axis)

For dampers (1200 x 800 mm to 1500 x 1000mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m³ – sealing mortar (horizontal or vertical axis)

For dampers (1200 x 800 mm to 1500 x 800mm) mounted in a flexible construction made of metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm- sealing stone wool density ≥ 40 kg/m³ + cover plate (horizontal axis)

E I 90 (v_e i ↔ o) S

For dampers (200 x 200 mm to 1200 x 800mm) mounted in a flexible construction Type A gypsum plasterboard (EN 520) – th ≥ 100 mm and penetration seal type mineral wool +coating (Promat, HILTI or MUCOL seal) or clustered seal

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in an asymmetrical flexible construction (shaft wall): made of metal studs gypsum plasterboard Type F (EN 520) th ≥ 82.5 mm sealing stone wool density ≥ 40 kg/m³ + cover plate (horizontal axis)

E I 60 (v_e i ↔ o) S

For dampers (200 x 200 mm to 1500 x 800mm) mounted in a rigid floor made of aerated concrete th ≥ 125 mm – sealing mortar (horizontal or vertical axis)

E I 120 (h_o i ↔ o) S

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For dampers (200 x 200 mm to 1200 x 800mm) mounted in a rigid floor construction made of aerated concrete th ≥ 150 mm and penetration seal type mineral wool +coating (Promat or HILTI seal) or clustered seal

E I 90 (h_o i ↔ o) S

Working pressure: - 500 Pa

For dampers (200 x 200 mm to 1500 x 1000 mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m^3 – sealing gypsum (horizontal axis)

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in a flexible construction made of metal studs gypsum plasterboard Type F (EN 520) - th ≥ 100 mm– sealing gypsum (horizontal axis)

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in a flexible construction made of gypsum blocks th ≥ 100 mm – sealing: block glue (horizontal axis)

For dampers (200 x 200 mm to 1200 x 800 mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m^3 – sealing mortar (horizontal or vertical axis)

For dampers (200 x 200 mm to 1200 x 800 mm) mounted in a fexible construction made of gypsum ;blocks th ≥ 70 mm– sealing block glue (horizontal axis)

For dampers (1200 x 800 mm to 1500 x 1000 mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m^3 – sealing mortar (vertical axis)

For dampers (4 dampers of 200 x 200 mm to 1200 x 800 mm and multiple assembly ≤ 3050 x 1650 mm) mounted in a rigid construction made of reinforced concrete th ≥ 110 mm – sealing mortar (horizontal axis)

E I 120 (v_e i ↔ o) S

For dampers (200 x 200 mm to 1200 x 800mm) mounted in a flexible construction Type F gypsum plasterboard (EN 520) – th ≥ 100 mm – sealing stone wool density ≥ 40 kg/m^3 + cover plate (horizontal axis)

For dampers (200 x 200 mm to 1200 x 800mm) mounted in a flexible construction Type A gypsum plasterboard (EN 520) – th ≥ 100 mm – sealing stone wool density ≥ 40 kg/m^3 + cover plate (horizontal axis)

For dampers (200 x 200 mm to 1200 x 800mm) mounted in a flexible construction Type A gypsum plasterboard (EN 520) – th ≥ 100 mm – sealing gypsum (horizontal axis)

E I 90 (v_e i ↔ o) S

For dampers (1200 x 800 mm to 1500 x 1000 mm) mounted in a rigid construction made of aerated concrete th ≥ 100 mm and density ≥ 550 kg/m^3 – sealing mortar (vertical axis)

For dampers (4 dampers of 200 x 200 mm to 1500 x 800 mm) mounted in a rigid construction made of reinforced concrete th ≥ 110 mm – sealing mortar (horizontal axis)

E I 60 (v_e i ↔ o) S

For dampers (200 x 200 mm to 1500 x 1000mm) mounted in a rigid floor made of aerated concrete- th ≥ 150 mm – sealing mortar (horizontal or vertical axis)

E I 120 (h_o i ↔ o) S

DESCRIPTION OF THE RANGE

Rectangular fire dampers : from 200 x 200 mm up to 1200 x 800 mm or 1500 x 1000 mm

- Housing made of Promatect H boards (4) – th = 15 mm – length : 330 mm
- Damper blade: sandwich construction made of 2 Promatect-H boards, steel U profiles and horizontal strips of Promatect H boards and intumescent strip protected by PVC tape – th = 45 mm
- Actuating mechanism installed on the outside of the fire damper: automatically or remote control mechanism

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DECLARED CHARACTERISTICS

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

* : with UNIQ VD/VM FDC(U)(B)(ME) or ONE T FDC(U)(B) or BFL(T)&BFN(T)

**: with MANO

***: with CFTH

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 a minimum spacing

- of 50 mm between fire dampers installed in separate ducts
- of 50 mm between a fire damper and the constructional element wall

of 25 mm between fire dampers and construction element ceiling.

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