

# DECLARATION OF PERFORMANCE

UKCA DoP\_Rf-t\_C2\_EN ■ M-01/10/2024



1. Unique identification code of the product-type:	CU2
2. Intended use/es:	Rectangular fire damper to be used in conjunction with partitions to maintain fire compartments in heating, ventilating and air conditioning installations.
3. Manufacturer:	Rf-Technologies NV, Lange Ambachtstraat 40, B-9860 Oosterzele
4. System/s of AVCP:	System 1
5. Designated standard / Approved body; certificate of constancy of performance:	BS EN 15650:2010, BCCA with identification number 0749; 2822-UKCA-CPR-0057
6. Declared performance according to BS EN 15650:2010	(Fire resistance according to BS EN 1366-2 and classifications according to BS EN 13501-3)

Essential characteristics					Performance
Range	Type	Wall	Sealing	Installation	Classification
200x200 mm ≤ CU2 ≤ 1500x1000 mm	Rigid wall	Aerated concrete ≥ 100 mm	Gypsum	1	EI 120 (v <sub>e</sub> i ↔ o) S - (500 Pa)
			Mortar	1	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
	Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm Paroc System Panel Sandwich panel type Paroc AST S ≥ 100 mm Eurobond sandwich panel system type Eurobond Firemaster Extra ≥ 100 mm Gypsum blocks ≥ 100 mm	Mortar	1	EI 60 (v <sub>e</sub> i ↔ o) S - (300 Pa)
			Gypsum	1	EI 120 (v <sub>e</sub> i ↔ o) S - (500 Pa)
			Mortar	1	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
			Hilti CFS-CT B 15	1	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
			Hilti CFS-CT B 15	1	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
			Block glue	1	EI 120 (v <sub>e</sub> i ↔ o) S - (500 Pa)
	Rigid floor	Aerated concrete ≥ 150 mm	Mortar	2	EI 120 (h <sub>o</sub> i ↔ o) S - (500 Pa)
	200x200 mm ≤ CU2 ≤ 1200x800 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	2
Gypsum				2	EI 90 (v <sub>e</sub> i ↔ o) S - (500 Pa)
Stone wool + coating ≥ 140 kg/m <sup>3</sup>				2	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
Stone wool ≥ 40 kg/m <sup>3</sup> + cover plates				1	EI 60 (v <sub>e</sub> i ↔ o) S - (500 Pa)
Flexible wall		Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm Gypsum blocks ≥ 70 mm	Gypsum	1	EI 60 (v <sub>e</sub> i ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m <sup>3</sup>	2	EI 60 (v <sub>e</sub> i ↔ o) S - (300 Pa)
			Stone wool ≥ 40 kg/m <sup>3</sup> + cover plates	1	EI 90 (v <sub>e</sub> i ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m <sup>3</sup>	2	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
			Block glue	1	EI 120 (v <sub>e</sub> i ↔ o) S - (500 Pa)
			Rigid floor	Aerated concrete ≥ 150 mm	Stone wool + coating ≥ 140 kg/m <sup>3</sup>
1200x800 mm < CU2 ≤ 1500x1000 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar / Gypsum	2	EI 60 (v <sub>e</sub> i ↔ o) S - (500 Pa) E 120 (v <sub>e</sub> i ↔ o) S - (500 Pa)
	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	2	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
1200x800 mm < CU2 ≤ 1500x800 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	2	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa)
	Flexible wall	Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m <sup>3</sup> + cover plates	1	EI 90 (v <sub>e</sub> i ↔ o) S - (300 Pa) E 120 (v <sub>e</sub> i ↔ o) S - (300 Pa)
200x200 mm ≤ CU2 ≤ 1500x800 mm	Asymmetrical flexible wall (shaft wall)	Metal studs gypsum plasterboard Type F (EN 520) ≥ 82.5 mm	Stone wool ≥ 40 kg/m <sup>3</sup> + cover plates	3	EI 60 (v <sub>e</sub> i ↔ o) S - (300 Pa)
	Rigid floor	Aerated concrete ≥ 125 mm	Mortar	2	EI 120 (h <sub>o</sub> i ↔ o) S - (300 Pa)

Designated standard  
BS EN 15650:2010

1	Type of installation: built-in 0/180°. Minimal distances authorised.		2	Type of installation: built-in 0/90/180/270°. Minimal distances authorised.		3	Type of installation: built-in 0/180°	
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Nominal activation conditions/sensitivity:	Pass	Integrity (E)	60, 90 and 120 minutes
Response delay (response time): closure time	Pass	Insulation (EI)	60, 90 and 120 minutes
Operational reliability: cycling	CFTH - 50 cycles; MANO - 300 cycles; B(L)F(T) - 10000 cycles; BFL(T) - 10000 cycles; BFN(T) - 10000 cycles; ONE - 10000 cycles; ONE-X - 10000 cycles; UNIQ - 10000 cycles; BOBI - 300 cycles	Smoke leakage (EIS)	60, 90 and 120 minutes
Durability of response delay:	Pass	Mechanical stability (under E)	n/a
Durability of operational reliability:	Pass	Maintenance of cross section (under E)	n/a
Protection against corrosion according to EN 60068-2-52:	Pass		
Damper casing leakage according to EN 1751:	≥ class ATC 4 (formerly B)		

The performance of the product identified above is in conformity with the set of declared performance/s. 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 the manufacturer by:  
Duchan Laplace, R&D Manager

Oosterzele, 01/10/2024

