

DECLARATION OF PERFORMANCE

UKCA DoP_Rf-t_C2_EN ■ L-01/07/2023



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; BCCA-0749-CPR-BC1-606-0464-15650.03-0464 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	Wall type	Wall	Sealing	Installation	Classification	
200x200 mm ≤ CU2 ≤ 1500x1000 mm	Rigid wall	Aerated concrete ≥ 100 mm	Gypsum	1	EI 120 (v _e i ↔ o) S - (500 Pa)	
			Mortar	1	EI 90 (v _e i ↔ o) S - (300 Pa)	
			Mortar	1	EI 90 (v _e i ↔ o) S - (300 Pa)	
	Flexible wall	Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Gypsum	1	EI 120 (v _e i ↔ o) S - (500 Pa)	
			Mortar	1	EI 90 (v _e i ↔ o) S - (300 Pa)	
			Paroc System Panel Sandwich panel type Paroc AST S ≥ 100 mm	1	EI 90 (v _e i ↔ o) S - (300 Pa)	
	Rigid floor	Aerated concrete ≥ 150 mm	Gypsum blocks ≥ 100 mm	1	EI 120 (v _e i ↔ o) S - (500 Pa)	
			Block glue	1	EI 120 (v _e i ↔ o) S - (500 Pa)	
			Mortar	2	EI 120 (h _o i ↔ o) S - (500 Pa)	
200x200 mm ≤ CU2 ≤ 1200x800 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	2	EI 120 (v _e i ↔ o) S - (500 Pa)	
			Gypsum	2	EI 90 (v _e i ↔ o) S - (500 Pa)	
			Stone wool + coating ≥ 140 kg/m ³	2	EI 90 (v _e i ↔ o) S - (300 Pa)	
	Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m ³ + cover plates	1	EI 60 (v _e i ↔ o) S - (500 Pa)	
			Gypsum	1	EI 60 (v _e i ↔ o) S - (500 Pa)	
			Stone wool + coating ≥ 140 kg/m ³	2	EI 60 (v _e i ↔ o) S - (300 Pa)	
		Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m ³ + cover plates	1	EI 90 (v _e i ↔ o) S - (500 Pa)	
			Stone wool + coating ≥ 140 kg/m ³	2	EI 90 (v _e i ↔ o) S - (300 Pa)	
			Gypsum blocks ≥ 70 mm	1	EI 120 (v _e i ↔ o) S - (500 Pa)	
	Rigid floor	Aerated concrete ≥ 150 mm	Stone wool + coating ≥ 140 kg/m ³	2	EI 90 (h _o i ↔ o) S - (300 Pa)	
	1200x800 mm < CU2 ≤ 1500x1000 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar / Gypsum	2	EI 60 (v _e i ↔ o) S - (500 Pa) E 120 (v _e i ↔ o) S - (500 Pa)
		Flexible wall	Aerated concrete ≥ 100 mm	Mortar	2	EI 90 (v _e i ↔ o) S - (300 Pa)
1200x800 mm < CU2 ≤ 1500x800 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	2	EI 90 (v _e i ↔ o) S - (300 Pa)	
	Flexible wall	Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m ³ + cover plates	1	EI 90 (v _e i ↔ o) S - (300 Pa) E 120 (v _e 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 ³ + cover plates	3	EI 60 (v _e i ↔ o) S - (300 Pa)	
	Rigid floor	Aerated concrete ≥ 125 mm	Mortar	2	EI 120 (h _o i ↔ o) S - (300 Pa)	

Designated standard
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	Smoke leakage (EIS):	60, 90 and 120 minutes
Durability of response delay:	Pass	Mechanical stability (under E):	Pass
Durability of operational reliability:	Pass	Maintenance of cross section (under E):	Pass
Protection against corrosion according to EN 60068-2-52:	Pass		
Damper casing leakage according to EN 1751:	≥ class 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 compliance with Regulation 2020 N°1359 of The Construction Products (EU exit) Regulation 2020, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:
Mathieu Steenland, Technical Manager

Oosterzele, 01/07/2023

