

DECLARATION OF PERFORMANCE

UKCA DoP_Rf-t_C3_EN - M-01/10/2024



1. Unique identification code of the product-type:	CU-LT
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-0060
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
200x100 mm ≤ CU-LT ≤ 800x600 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	1	EI 90 (v, i ↔ o) S - (500 Pa)
			Gypsum	1	EI 120 (v, i ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m ³ + coated casing	1	EI 120 (v, i ↔ o) S - (300 Pa)
			Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (v, i ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x60 mm + installation kit IFW	2	EI 60 (v, i ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x80 mm + IFW installation kit	2	EI 90 (v, i ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + installation kit IFW	2	EI 90 (v, i ↔ o) S - (300 Pa)
			Galvanised duct + GEOFLAM® F 45 mm + mortar	2	EI 120 (v, i ↔ o) S - (500 Pa)
			Galvanised duct + GEOFLAM® Light 35 mm + mortar	2	EI 120 (v, i ↔ o) S - (500 Pa)
			Installation kit IFW	3	EI 90 (v, i ↔ o) S - (500 Pa)
			Installation kit IFW	4	EI 90 (v, i ↔ o) S - (300 Pa)
			Installation kit IFW	3	EI 60 (v, i ↔ o) S - (500 Pa)
			Gypsum	1	EI 60 (v, i ↔ o) S - (500 Pa)
			Mortar	5	EI 60 (v, i ↔ o) S - (300 Pa)
			Stone wool + coating ≥ 140 kg/m ³	1	EI 60 (v, i ↔ o) S - (300 Pa)
	Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x60 mm + installation kit IFW	2	EI 60 (v, i ↔ o) S - (300 Pa)		
	Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + installation kit IFW	2	EI 60 (v, i ↔ o) S - (300 Pa)		
	Installation kit IFW	3	EI 90 (v, i ↔ o) S - (500 Pa)		
	Gypsum	1	EI 90 (v, i ↔ o) S - (500 Pa)		
	Mortar	5	EI 90 (v, i ↔ o) S - (300 Pa)		
	Stone wool + coating ≥ 140 kg/m ³ + coated casing	1	EI 120 (v, i ↔ o) S - (300 Pa)		
	Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (v, i ↔ o) S - (300 Pa)		
	Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + installation kit IFW	2	EI 90 (v, i ↔ o) S - (300 Pa)		
	GDA + stone wool ≥ 40 kg/m ³	6	EI 120 (v, i ↔ o) S - (300 Pa)		
	Asymmetrical flexible wall (shaft wall)	Metal studs gypsum plasterboard Type A (EN 520) ≥ 75 mm	Gypsum	7	EI 30 (v, i ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m ³	7	EI 30 (v, i ↔ o) S - (300 Pa)
			Installation kit IFW	4	EI 90 (v, i ↔ o) S - (300 Pa)
			Installation kit IFW	4	EI 90 (v, i ↔ o) S - (300 Pa)
			Mortar	1	EI 90 (h, i ↔ o) S - (500 Pa)
			Gypsum	1	EI 120 (h, i ↔ o) S - (500 Pa)
CLT wall	Reinforced concrete ≥ 110 mm	Mortar	1	EI 90 (h, i ↔ o) S - (500 Pa)	
		Reinforced concrete ≥ 150 mm	1	EI 120 (h, i ↔ o) S - (500 Pa)	
		Aerated concrete ≥ 150 mm	1	EI 120 (h, i ↔ o) S - (300 Pa)	
Rigid floor	Reinforced concrete ≥ 150 mm	Stone wool + coating ≥ 140 kg/m ³ + coated casing	1	EI 90 (h, i ↔ o) S - (300 Pa)	
		Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (h, i ↔ o) S - (300 Pa)	
		Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (h, i ↔ o) S - (300 Pa)	

Designated standard BS EN 15650:2010

1	Type of installation: built-in 0/90/180/270°. Minimal distances authorised.		2	Type of installation: remote from the wall, 0/180°. Minimal distances authorised.		3	Type of installation: built-in 0/90/180/270°	
4	Type of installation: built-in 0/90/180/270°. Minimal distances authorised.		5	Type of installation: built-in 0/180°. Minimal distances authorised.		6	Type of installation: built-in 0/180°	
7	Type of installation: built-in 0/90/180/270°. Minimal distances authorised.							

Nominal activation conditions/sensitivity:	Pass	Integrity (E)	30, 60, 90 and 120 minutes
Response delay (response time): closure time	Pass	Insulation (EI)	30, 60, 90 and 120 minutes
Operational reliability: cycling	MFUSP - 50 cycles; MMAG - 300 cycles; BFL(T) - 10000 cycles; ONE - 10000 cycles; ONE-X - 10000 cycles; UNIQ - 10000 cycles; BOBI - 300 cycles	Smoke leakage (EIS)	30, 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 3 (formerly C)		

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