

DECLARATION OF PERFORMANCE

CE 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. Harmonised standard / European Assessment Document; notified body / European Technical Assessment, Technical Assessment Body, notified body; certificate of constancy of performance:	EN 15650:2010, BCCA with identification number 0749; BCCA-0749-CPR-BC1-606-0464-15650.05-0464
6. Declared performance according to EN 15650:2010	(Fire resistance according to EN 1366-2 and classifications according to EN 13501-3)

Essential characteristics			Installation	Performance				
Range 200x100 mm ≤ CU-LT ≤ 800x600 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	1	El 90 (v, i ↔ o) S - (500 Pa)			
			Gypsum	1	El 120 (v, i ↔ o) S - (500 Pa)			
			Stone wool + coating ≥ 140 kg/m ³ + coated casing	1	El 120 (v, i ↔ o) S - (300 Pa)			
			Stone wool + coating ≥ 140 kg/m ³	1	El 90 (v, i ↔ o) S - (300 Pa)			
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x60 mm + installation kit IFW	2	El 60 (v, i ↔ o) S - (300 Pa)			
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x80 mm + IFW installation kit	2	El 90 (v, i ↔ o) S - (300 Pa)			
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + installation kit IFW	2	El 90 (v, i ↔ o) S - (300 Pa)			
			Galvanised duct + GEOFLAM® F 45 mm + mortar	2	El 120 (v, i ↔ o) S - (500 Pa)			
			Galvanised duct + GEOFLAM® Light 35 mm + mortar	2	El 120 (v, i ↔ o) S - (500 Pa)			
			Installation kit IFW	3	El 90 (v, i ↔ o) S - (500 Pa)			
			Aerated concrete ≥ 105 mm	4	El 90 (v, i ↔ o) S - (300 Pa)			
			Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm	Installation kit IFW	3	El 60 (v, i ↔ o) S - (500 Pa)	
					Gypsum	1	El 60 (v, i ↔ o) S - (500 Pa)	
					Mortar	5	El 60 (v, i ↔ o) S - (300 Pa)	
					Stone wool + coating ≥ 140 kg/m ³	1	El 60 (v, i ↔ o) S - (300 Pa)	
	Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x60 mm + installation kit IFW	2			El 60 (v, i ↔ o) S - (300 Pa)			
	Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + installation kit IFW	2			El 60 (v, i ↔ o) S - (300 Pa)			
	Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Installation kit IFW			3	El 90 (v, i ↔ o) S - (500 Pa)		
		Gypsum			1	El 90 (v, i ↔ o) S - (500 Pa)		
		Mortar			5	El 90 (v, i ↔ o) S - (300 Pa)		
		Stone wool + coating ≥ 140 kg/m ³ + coated casing			1	El 120 (v, i ↔ o) S - (300 Pa)		
		Stone wool + coating ≥ 140 kg/m ³			1	El 90 (v, i ↔ o) S - (300 Pa)		
		Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + installation kit IFW			2	El 90 (v, i ↔ o) S - (300 Pa)		
		GDA + stone wool ≥ 40 kg/m ³			6	El 120 (v, i ↔ o) S - (300 Pa)		
		Asymmetrical flexible wall (shaft wall)			Metal studs gypsum plasterboard Type A (EN 520) ≥ 75 mm	Gypsum	7	El 30 (v, i ↔ o) S - (500 Pa)
					Metal studs gypsum plasterboard Type F (EN 520) ≥ 75 mm	Stone wool + coating ≥ 140 kg/m ³	7	El 30 (v, i ↔ o) S - (300 Pa)
			Metal studs gypsum plasterboard Type F (EN 520) ≥ 90 mm	Installation kit IFW	4	El 90 (v, i ↔ o) S - (300 Pa)		
		CLT wall	Cross-laminated timber ≥ 100 mm	Installation kit IFW	4	El 90 (v, i ↔ o) S - (300 Pa)		
			Rigid floor	Reinforced concrete ≥ 110 mm	Mortar	1	El 90 (h, i ↔ o) S - (500 Pa)	
		Rigid floor	Reinforced concrete ≥ 150 mm	Gypsum	1	El 120 (h, i ↔ o) S - (500 Pa)		
Aerated concrete ≥ 150 mm			Stone wool + coating ≥ 140 kg/m ³ + coated casing	1	El 120 (h, i ↔ o) S - (300 Pa)			
			Stone wool + coating ≥ 140 kg/m ³	1	El 90 (h, i ↔ o) S - (300 Pa)			

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
Response delay (response time): closure time	Pass
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
Durability of response delay:	Pass
Durability of operational reliability:	Pass
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

Harmonised standard
EN 15650:2010