

DECLARATION OF PERFORMANCE

UKCA_DoP_Rf-t_G1_EN ■ K-01/10/2024



1. Unique identification code of the product-type:	CR2
2. Intended use/es:	Circular 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-0054
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
Ø 200-630 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar / Gypsum	1	EI 120 (v _e i ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (v _e i ↔ o) S - (300 Pa)
			Stone wool Mulcol Multimastic FB1 + coating	2	EI 60 (v _e i ↔ o) S - (300 Pa)
			Stone wool Pyro-Safe® MFP + coating	2	EI 120 (v _e i ↔ o) S - (300 Pa)
	Rigid floor	Aerated concrete ≥ 125 mm	Mortar	2	EI 90 (h _o i ↔ o) S - (500 Pa)
			Mortar	3	EI 120 (h _o i ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m ³	3	EI 120 (h _o 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)
			Mortar	1	EI 60 (v _e i ↔ o) S - (300 Pa)
			Stone wool + coating ≥ 140 kg/m ³	1	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 - (300 Pa)
			Gypsum	1	EI 120 (v _e i ↔ o) S - (500 Pa)
			Mortar	1	EI 90 (v _e i ↔ o) S - (300 Pa)
			Stone wool Mulcol Multimastic FB1 + coating	2	EI 60 (v _e i ↔ o) S - (300 Pa)
			Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (v _e i ↔ o) S - (300 Pa)
			Stone wool Pyro-Safe® MFP + coating	2	EI 120 (v _e i ↔ o) S - (300 Pa)
			Paroc System Panel Sandwich panel type Paroc AST S ≥ 100 mm	Hilti CFS-CT B 15	4
Eurobond sandwich panel system type Eurobond Firemaster Extra ≥ 100 mm	Hilti CFS-CT B 15	4	EI 120 (v _e i ↔ o) S - (300 Pa)		
Gypsum blocks ≥ 70 mm	Block glue	1	EI 120 (v _e i ↔ o) S - (500 Pa)		

Designated standard
BS EN 15650:2010

1	Type of installation: built-in, 0-360°. Minimal distances authorised with axis till 45°.		2	Type of installation: built-in, 0-360°.		3	Type of installation: built-in, 0-360°. Minimal distances authorised.	
4	Type of installation: built-in, 0/180° (CR)							

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