

DECLARATION OF PERFORMANCE

GE_DoP_Rf-t_C9_EN =K-03/2023

1. Unique identification code of the product-type:	CR60
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. 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-BC1-606-0464-15650.02-2517 2822-UKCA-CPR-0055
6. Declared performance according to EN 15650:2010	(Fire resistance according to EN 1366-2 and classifications according to EN 13501-3)

Essential characteristics			Performance		
Range	Wall type	Wall	Sealing	Installation	Classification
Ø 100-315 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar / Gypsum	1	EI 90 (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	1	EI 60 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x60 mm	2	EI 60 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm	2	EI 90 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm + mortar	2	EI 90 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + GEOFLAM® F 45 mm + mortar	2	EI 90 (v _{e,i} ↔ o) S - (500 Pa)
			Galvanised duct + GEOFLAM® Light 35 mm + mortar	2	EI 90 (v _{e,i} ↔ o) S - (500 Pa)
	Rigid floor	Aerated concrete ≥ 150 mm Aerated concrete ≥ 100 mm	Stone wool + coating ≥ 140 kg/m ³	3	EI 90 (h _{e,i} ↔ o) S - (300 Pa)
			Mortar	3	EI 90 (h _{e,i} ↔ o) S - (500 Pa)
	Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm	Gypsum	1	EI 60 (v _{e,i} ↔ o) S - (500 Pa)
			Stone wool + coating ≥ 140 kg/m ³	1	EI 60 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 1x60 mm	2	EI 60 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm	2	EI 60 (v _{e,i} ↔ o) S - (300 Pa)
			Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	1	EI 90 (v _{e,i} ↔ o) S - (500 Pa)
		Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Mortar	1	EI 90 (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 Mulcol Multimastic FB1 + coating	1	EI 60 (v _{e,i} ↔ o) S - (300 Pa)
			Galvanised duct + stone wool + coating ≥ 140 kg/m ³ 2x50 mm	2	EI 90 (v _{e,i} ↔ o) S - (300 Pa)
			Gypsum blocks ≥ 70 mm	1	EI 90 (v _{e,i} ↔ o) S - (500 Pa)
Asymmetrical flexible wall (shaft wall)	Metal studs gypsum plasterboard Type A (EN 520) ≥ 75 mm Metal studs gypsum plasterboard Type F (EN 520) ≥ 75 mm	Gypsum	4	EI 30 (v _{e,i} ↔ o) S - (500 Pa)	
		Stone wool + coating ≥ 140 kg/m ³	4	EI 30 (v _{e,i} ↔ o) S - (300 Pa)	
Ø 100-250 mm	Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm	1	EI 60 (v _{e,i} ↔ o) S - (500 Pa)	
		Stone wool ≥ 40 kg/m ³ + cover plates	1	EI 60 (v _{e,i} ↔ o) S - (500 Pa)	
CR60-15 Ø 100-315 mm	Rigid wall	Aerated concrete ≥ 100 mm	5	EI 60 (v _{e,i} ↔ o) S - (500 Pa)	
		Not applicable	5	EI 60 (h _{e,i} ↔ o) S - (500 Pa)	
	Rigid floor	Aerated concrete ≥ 100 mm	5	EI 60 (h _{e,i} ↔ o) S - (500 Pa)	
		Not applicable	5	EI 90 (h _{e,i} ↔ o) S - (500 Pa)	
	Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 - ≤ 125 mm	5	EI 60 (v _{e,i} ↔ o) S - (500 Pa)	
		Not applicable	5	EI 60 (v _{e,i} ↔ o) S - (500 Pa)	
Asymmetrical flexible wall (shaft wall)	Metal studs gypsum plasterboard Type F (EN 520) ≥ 80 mm	5	EI 60 (v _{e,i} ↔ o) S - (500 Pa)		
	Not applicable	5	EI 60 (v _{e,i} ↔ o) S - (500 Pa)		

1	Type of installation: built-in, 0-360°. Minimal distances authorised with axis till 45°.		2	Type of installation: remote from the wall, 0/180°. Minimal distances authorised.		3	Type of installation: built-in, 0-360°. Minimal distances authorised.	
4	Type of installation: built-in 0/180°. Minimal distances authorised.		5	Type of installation: surface-mounted, 0/180° (500 Pa), 0-360° (300 Pa). Minimal distances authorised with axis till 45°.				

Nominal activation conditions/sensitivity:	Pass
Response delay (response time): closure time	Pass
Operational reliability: cycling	MFUS - 50 cycles; MMAG - 300 cycles; BFL(T) - 10000 cycles; ONE - 10000 cycles; ONE-X - 10000 cycles; UNIQ - 10000 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 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:
Mathieu Steenland, Technical Manager

Oosterzele, 03/2023



Harmonised standard
EN 15650:2010