

# DECLARATION OF PERFORMANCE

UKCA\_DoP\_Rf-t\_S3\_EN ■ J-01/03/2025



1. Unique identification code of the product-type:	SC+
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-0062
6. Declared performance according to	(Fire resistance according to BS EN 1366-2 and classifications according to BS EN 13501-3)

Essential characteristics					Performance	
Range	Type	Construction	Sealing	Installation	Classification	
SC+60 Ø 100-200 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	1	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Gypsum	2	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Stone wool + coating ≥ 140 kg/m³	2	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Insulated duct (ArmaFlex EVO, ArmaFlex Protect – up to 13 mm) + stone wool + coating ≥ 140 kg/m³	1	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
	Rigid floor	Aerated concrete ≥ 150 mm	Mortar	1	El 60 (h <sub>o</sub> i ↔ o) S - (300Pa)	
	Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m³ + cover plates	1	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Gypsum	2	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Stone wool + coating ≥ 140 kg/m³	2	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Insulated duct (ArmaFlex EVO, ArmaFlex Protect – up to 13 mm) + stone wool + coating ≥ 140 kg/m³	1	El 60 (v <sub>e</sub> i ↔ o) S - (300Pa)	
	SC+90 Ø 100-200 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	1	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)
Aerated concrete ≥ 125 mm			Gypsum	2	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)	
Aerated concrete ≥ 100 mm			Gypsum + 2 x 12.5 mm gypsum plasterboard Type F (EN520)	2	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Stone wool + coating ≥ 140 kg/m³ + coated duct	1	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)	
Rigid floor		Aerated concrete ≥ 150 mm	Mortar	1	El 90 (h <sub>o</sub> i ↔ o) S - (300Pa)	
Flexible wall		Metal studs gypsum plasterboard Type F (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m³ + gypsum + cover plates	1	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Gypsum + 2 x 12.5 mm gypsum plasterboard Type F (EN520)	2	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)	
			Stone wool + coating ≥ 140 kg/m³ + coated duct	1	El 90 (v <sub>e</sub> i ↔ o) S - (300Pa)	
SC+120 Ø 100-200 mm		Rigid wall	Reinforced concrete ≥ 110 mm	Mortar	1	El 120 (v <sub>e</sub> i ↔ o) S - (300Pa)

Designated standard  
EN 15650:2010

1	Type of installation: built-in inside a duct, 0-360°	360°	2	Type of installation: built-in inside a duct, 0-360°. Minimal distances authorised.	360°
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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	50 cycles	Smoke leakage (EIS)	60, 90 and 120 minutes
Durability of response delay:	Pass	Mechanical stability (under E)	n/a
Durability of operational reliability:	NPD (no performance determined)	Maintenance of cross section (under E)	n/a
Protection against corrosion according to EN 60068-2-52:	NPD (no performance determined)		
Damper casing leakage according to EN 1751:	NPD (no performance determined)		

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

*[Signature]*

Oosterzele, 01/03/2025

