

DECLARATION OF PERFORMANCE

CE_DoP_Rf-t_S7_EN ■ E-01/01/2024

1. Unique identification code of the product-type:	SC60-COSMO
2. Intended use/es:	Circular fire and smoke damper for use at the height of a partition structure to maintain fire and smoke compartmentation in heating, ventilating and air conditioning installations (HVAC).
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-BC1-606-0464-15650.09-25170
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	Type	Wall	Sealing		Classification		
SC60-COSMO Ø 100-200 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + mortar	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Gypsum	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + gypsum	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Stone wool ≥ 40 kg/m ³ + graphite kit	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool ≥ 40 kg/m ³ + graphite kit	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Stone wool + coating ≥ 140 kg/m ³	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool + coating ≥ 140 kg/m ³	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Flexible wall	Metal studs gypsum plasterboard Type A (EN 520) ≥ 100 mm	Stone wool ≥ 40 kg/m ³ + graphite kit	1	EI 60 (v _e i ↔ o) S - (300Pa)
					Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool ≥ 40 kg/m ³ + graphite kit	1	EI 60 (v _e i ↔ o) S - (300Pa)
					Gypsum	1	EI 60 (v _e i ↔ o) S - (300Pa)
					Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + gypsum	1	EI 60 (v _e i ↔ o) S - (300Pa)
	Stone wool + coating ≥ 140 kg/m ³	1			EI 60 (v _e i ↔ o) S - (300Pa)		
	Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool + coating ≥ 140 kg/m ³	1			EI 60 (v _e i ↔ o) S - (300Pa)		
	Massive shaftwall	Aerated concrete ≥ 100 mm	Stone wool ≥ 40 kg/m ³ + graphite kit (sealing applied from one side)	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool ≥ 40 kg/m ³ + graphite kit (sealing applied from one side)	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Stone wool ≥ 140 kg/m ³ + coating (sealing applied from one side)	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool ≥ 140 kg/m ³ + coating (sealing applied from one side)	1	EI 60 (v _e i ↔ o) S - (300Pa)		
			Asymmetric flexible wall	Metal studs gypsum plasterboard Type F (EN 520) ≥ 80 mm	Stone wool ≥ 140 kg/m ³ + coating (sealing applied from one side)	1	EI 60 (v _e i ↔ o) S - (300Pa)
					Insulated duct (ArmaFlex EVO, ArmaFlex Ultima, ArmaFlex Protect – up to 13 mm) + stone wool ≥ 140 kg/m ³ + coating (sealing applied from one side)	1	EI 60 (v _e i ↔ o) S - (300Pa)

1	Type of installation: built-in inside a duct, 0°	0°	
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Nominal activation conditions/sensitivity:	Pass
Response delay (response time): closure time	Pass
Operational reliability: cycling	50 cycles
Durability of response delay:	Pass
Durability of operational reliability:	Pass
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:
Frank Verlinden, Head of Product Management

F. Verlinden



Oosterzele, 01/01/2024

Harmonised standard
EN 15650:2010