

DECLARATION OF PERFORMANCE

CE_DoP_Rf-t_V32_EN ■ F-01/02/2025

1. Unique identification code of the product-type:	MARKAGE MB
2. Intended use/es:	Rectangular single and multi MA smoke control damper for installation in a wall or refractory duct.
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 12101-8:2011, Efectis with identification number 1812; Efectis-1812-CPR-1905
6. Declared performance according to EN 12101-8:2011	(fire resistance according to EN 1366-10, classification according to EN 13501-4)

Essential characteristics					Performance
Range	Type	Material	Sealing	Installation	Classification
200x200 mm ≤ MARKAGE MB ≤ 1000x1600 mm	Rigid wall	Aerated concrete ≥ 100 mm	Mortar	1	EI 90 (V _{ew} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Aerated concrete ≥ 100 mm	Stone wool + coating ≥ 140 kg/m ³	1	EI 90 (V _{ew} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
	Rigid floor	Aerated concrete ≥ 100 mm	Mortar	1	EI 90/120 (h _{ow} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Aerated concrete ≥ 100 mm	Stone wool + coating ≥ 140 kg/m ³	1	EI 90/120 (h _{ow} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
	Horizontal refractory duct	Promat LS ≥ 35 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat LS ≥ 35 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
	Vertical refractory duct	Promat LS ≥ 35 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat LS ≥ 35 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
	Shaft	Masonry, concrete blocks, concrete EI 90/120	Promat glue K84 / mortar	2	EI 90/120* (V _{ed} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
		Masonry, concrete blocks, concrete EI 90/120	Promat glue K84 / mortar	2	EI 90/120* (h _{od} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI
1000x1600 mm ≤ MARKAGE MB ≤ 1200x2400 mm	Horizontal refractory duct	Promat LS ≥ 35 mm	Promat glue K84	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
		Promat LS ≥ 35 mm	Promat glue K84	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
	Vertical refractory duct	Promat LS ≥ 35 mm	Promat glue K84	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
		Promat LS ≥ 35 mm	Promat glue K84	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
		Promat LS500 ≥ 40 mm	Promat glue K84	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
		Promat AD ≥ 40 mm	Promat glue K84	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
	Shaft	Masonry, concrete blocks, concrete EI 90/120	Promat glue K84 / mortar	2	EI 60/120* (V _{ed} i ↔ o) S1000 C10000 MA MULTI
		Masonry, concrete blocks, concrete EI 90/120	Promat glue K84 / mortar	2	EI 60/120* (h _{od} i ↔ o) S1000 C10000 MA MULTI
200x200 mm ≤ MARKAGE MB-1S ≤ 1000x1600 mm	Rigid wall	Aerated concrete ≥ 100 mm	Not applicable	1	EI 90/120 (V _{ew} i ↔ o) S1500 C10000 HOT 400/30 MA MULTI

1	Type of installation: built-in 0/90/180/270°. In compartment boundary (wall, 'w').	   	2	Type of installation: built-in 0/90/180/270°. * With grille. Installation in EI120 certified ducts for EI120 classification of the complete system. Duct mounted ('d'). All duct installations are besides 'd' also "w"-classified according MVV-TB: EI tt (V _{edw} h _{odw} i ↔ o) ...	    
---	--	---	---	--	---

Nominal activation conditions/sensitivity:	Pass
Response delay (response time): closure time	Pass
Operational reliability: cycling	BEN / BEE / BE - 10000 cycles (with load)
Durability of response delay:	Pass
Durability of operational reliability:	Pass
High operational temperature (HOT 400/30):	Pass

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, 01/02/2025



Harmonised standard
EN 12101-8:2011