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Declaration of performance

DoP nr. 710

Identification mark	**FD25/40 – Fire damper**	
Purpose of the product	It is used in combination with fire protection elements to ensure fire protection zones in HVAC installations	
Manufacturer	KLIMAOPREMA d.d. Gradna 78A, 10430 Samobor, Croatia	
System for evaluating and verifying the constancy of properties	System 1	
Harmonised norm	EN 15650:2010	
Notified body	EFECTIS, France – NB 1812 – Certificate of constancy of performance 1812 CPR - 1162	
Declared properties	**Characteristic**	**Property/Result**
	Nominal activation conditions/sensitivity according to ISO 10294-4: - sensing element load bearing capacity - sensing element response temperature	Passed
	Response delay (closing time): - Response delay (closing time) according to EN 1366-2	Passed
	Operational reliability: - cycles (opening, closing) according to EN 1366-2:	Passed
	Resistance to fire: - integrity E, insulation I - smoke leakage S - mechanical stability (under E) - cross-section integrity (under E) - according to EN13501-3	EI 60 S (ve, i ↔ o) EI 90 S (ve - ho, i ⇿ o) EI 120 S (ve - ho, i ⇿ o)
	Durability of response delay: - the sensing element responds to temperature and load capacity	Passed
	Durability of operational reliability: - opening and closing cycles	10 000 cycles
	Corrosion protection: - according to EN 60068-2-52	NPD
	Casing airtightness: - according to EN 1751	Class ≥ C
	Damper blade airtightness: - according to EN 1751	Class ≥ 3

This Declaration of performance is available at: www.klimaoprema.com.

The previously determined property of the product is in accordance with the published properties. This Declaration of performance is issued in accordance with Regulation (EU) No. 305/2011 laying down harmonized conditions for the placing of construction products on the market, Delegated Regulation (EU) No. 574/2014, Delegated Regulation (EU) No. 568/2014, under the sole responsibility of the previously determined manufacturer.

Signed for the manufacturer on his behalf:

Sergio Galošić, CEO

klimaoprema
an Ameficor Group company
Klimaoprema d.o.o. | OIB: 34383404032
Gradna 78a, 10430 Samobor, Hrvatska

Samobor, 21.08.2025.

To achieve the declared properties, this product must be used in accordance with the manufacturer's specifications and technical instructions!

Declaration of performance INSTALLATION

Check for more information about certificate installations in the declaration of performance:

- Aerated concrete (≥ 450 kg/m³) or reinforced concrete (≥ 2200 kg/m³) wall, more than 100 mm thick
- Gypsum blocks (≥ 995 kg/m³) wall, more than 70 mm thick
- Plasterboard wall, type F (EN520), Plasterboard wall, type A (EN520), more than 100 mm thick
- Shaft wall, steel frame construction
- Aerated concrete (≥ 450 kg/m³) or reinforced concrete (≥ 2200 kg/m³) ceiling / floor, more than 100 mm thick
- Gypsum plaster, mortar sealing od mortar and cover boards
- Sealing with mineral wool and cover boards
- Sealing with mineral wool and fireproof coating - FireBatt
- Applique kit installation
- MF1/MF2 kit installation
- Remote from wall installation
- Battery installation

Range	Supporting construction		Type of installation	Classification	Supporting construction details	Wall thickness	Tested underpressure
FD25 / FD40	Rigid wall		Gypsum plaster/Mortar	EI 120 (ve i↔o)S	Aerated concrete (≥ 450 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	≥ 100 mm	500Pa
			Mineral wool and cover boards	EI 90 (ve i↔o)S			500Pa
			Fire Batt/Weichschott				300Pa
			Gypsum plaster/Mortar and cover boards	EI 120 (ve i↔o)S	Gypsum blocks (≥ 995 kg/m³)	≥ 70 mm	500Pa
	Flexible wall		Gypsum plaster / Mortar (without cover boards)	A: EI 120 (ve i↔o)S B: EI 60 (ve i↔o)S	A: Plasterboard type F (EN520), mineral wool up to 115 kg/m³ B: Plasterboard type A (EN520), mineral wool up to 60 kg/m³	≥ 100 mm	500Pa
			Gypsum plaster / Mortar and cover boards	A:FD25 EI 90 (ve i↔o)S A: FD40 EI 120 (ve i↔o)S B: EI 60 (ve i↔o)S			300Pa
			Mineral wool and cover boards	A: EI 90 (ve i↔o)S B: EI 60 (ve i↔o)S			500Pa
				A: EI 90 (ve i↔o)S B: EI 60 (ve i↔o)S			300Pa
			Fire Batt/Weichschott	EI 45 (ve i↔o)S	Plasterboard type F (EN520), mineral wool up to 115 kg/m³	≥ 75 mm	300Pa
				EI 90 (ve i↔o)S	Cross laminated timber (30+40+30 mm)	≥ 100 mm	300Pa
			Eurobond Firemaster Extra	FD25:EI 60 (i↔o)S FD40: EI 60 S/ EI 90 S (i↔o)S	Mineral wool (≥ 23 kg/m³)		300Pa
FD40			Eurobond Firemaster Extra, Battery 2x2, 1x2, 2x1	FD40: EI 90 (i↔o)S	Mineral wool (≥ 23 kg/m³)		300Pa
FD25 / FD40	Sliding ceiling	Rigid wall	Gypsum plaster / Mortar + Mineral wool (70 kg/m³)	EI 120 (ve i↔o)S	Aerated concrete (≥ 450 kg/m³)	≥ 100 mm	300Pa
		Flexible wall	Gypsum plaster / Mortar and cover boards + Mineral wool (115 kg/m³)	EI 120 (ve i↔o)S	Plasterboard type F (EN520)	≥ 100 mm	300Pa
	Floor/ceiling		Gypsum plaster/Mortar	EI 120 (ho i↔o)S	Aerated concrete (≥ 450 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	≥ 100 mm	500Pa
			Fire Batt/Weichschott	EI 90 (ho i↔o)S			300Pa

Declaration of performance
INSTALLATION WITH SUBFRAMES

Check for more information about certificate installations in the declaration of performance:

- Aerated concrete (≥ 450 kg/m^3) or reinforced concrete (≥ 2200 kg/m^3) wall, more than 100 mm thick
- Gypsum blocks (≥ 995 kg/m^3) wall, more than 70 mm thick
- Plasterboard wall, type F (EN520), Plasterboard wall, type A (EN520), more than 100 mm thick
- Shaft wall, steel frame construction
- Aerated concrete (≥ 450 kg/m3) or reinforced concrete (≥ 2200 kg/m^3) ceiling / floor, more than 100 mm thick
- Gypsum plaster, mortar sealing od mortar and cover boards
- Sealing with mineral wool and cover boards
- Sealing with mineral wool and fireproof coating - FireBatt
- Applique kit installation
- MF1/MF2 kit installation
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- Battery installation

Range	Supporting construction	Type of installation	Classification	Supporting construction details	Wall thick-ness	Tested underpressure
APP INSTALLATION FRAME FD25 100x200 till 800x600 mm	Rigid wall	APPLIQUE (installation frame)	EI 90 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200kg/m^3)	≥ 100 mm	500Pa
		APPLIQUE (installation frame)	EI 90 (ve i↔o)S	Gypsum blocks (≥ 995 kg/m^3)	≥ 70 mm	500Pa
	Flexible wall	APPLIQUE (installation frame)	EI 90 (ve i↔o)S EI 60 (ve i↔o)S	Plasterboard type F (EN520) type A (EN520)	≥ 100 mm	500Pa
MF1/ MF2 INSTALLATION FRAME FD25 MF1/MF2 100x200 till 800x600 mm FD40 MF2 800x600 till 1500x800 mm	Rigid wall	MF1 (installation frame)	FD25: EI 60 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200kg/m^3)	≥ 100 mm	500Pa FD25: 300Pa FD40: 500Pa
		MF2 (installation frame)	EI 90 (ve i↔o)S			
		MF1 (installation frame)	FD25: EI 60 (ve i↔o)S	Gypsum blocks (≥ 995 kg/m^3)	≥ 70 mm	500Pa
		MF2 (installation frame)	EI 90 (ve i↔o)S			
	Flexible wall	MF1 (installation frame)	A: FD25:EI 60 (ve i↔o)S B: FD25:EI 60 (ve i↔o)S	Plasterboard A:type A (EN520) B:type F (EN520)	≥ 100 mm	500Pa FD25: 300Pa FD40: 500Pa
		MF2 (installation frame)	A:EI 60 (ve i↔o)S B:EI 90 (ve i↔o)S			
	Floor/ceiling	MF1 (installation frame)	FD25: EI 120 (ho i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200 kg/m^3)	≥ 100 mm	300Pa
		MF2 (installation frame)	FD40: EI 90 (ho i↔o)S			
MF2 INSTALLATION FRAME FD25/FD40	Flexible wall	MF2 (installation frame)	EI 60 (ve i↔o)S EI 90 (ve i↔o)S	Shaft wall (steel frame)	≥ 75 mm ≥ 90 mm	300Pa

Declaration of performance
INSTALLATION REMOTE FROM WALS

Check for more information about certificate installations in the declaration of performance:

Aerated concrete (≥ 450 kg/m^3) or reinforced concrete (≥ 2200 kg/m^3) wall, more than 100 mm thick

Gypsum blocks (≥ 995 kg/m^3) wall, more than 70 mm thick

Plasterboard wall, type F (EN520), Plasterboard wall, type A (EN520), more than 100 mm thick

Shaft wall, steel frame construction

Aerated concrete (≥ 450 kg/m3) or reinforced concrete (≥ 2200 kg/m^3) ceiling / floor, more than 100 mm thick

Gypsum plaster, mortar sealing od mortar and cover boards

Sealing with mineral wool and cover boards

Sealing with mineral wool and fireproof coating - FireBatt

Applique kit installation

MF1/MF2 kit installation

Remote from wall installation

Battery installation

Range	Supporting construction	Type of installation	Classification	Supporting construction details	Wall thick-ness	Tested underpressure
FD25 / FD40	Rigid wall	REMOTE FROM WALL (Isover)	EI 60 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200 kg/m^3)	≥ 100 mm	300Pa
	Flexible wall			Plasterboard type F (EN520)		
FD40	Rigid wall	REMOTE FROM WALL (Promat)	EI 120 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200 kg/m^3)	≥ 110 mm	300Pa
FD25/40	Rigid wall	REMOTE FROM WALL (Promat LS 35)	EI 90 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200 kg/m^3)	≥ 100 mm	300Pa
FD40	Rigid wall	Battery 2x2, 2x1, 1x2	EI 120 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3) Reinforced concrete (≥ 2200 kg/m^3)	≥ 100 mm	500Pa
	Floor/ ceiling		EI 120 (ho i↔o)S			