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Declaration of performance

DoP nr. 711

Identification mark	**FDC25/40 – 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 - 1161	
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/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

Range	Supporting construction	Type of installation	Classification	Supporting construction details	Wall thickness	Tested underpressure
FDC25 d100-d315 mm / FDC40 d355-d800 mm	Rigid wall	Gypsum plaster / Mortar	EI 120 (ve i↔o)S	Aerated concrete (≥ 450kg/m^3) Reinforced concrete (≥ 2200kg/m^3)	≥ 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 (≥ 995kg/m^3)	≥ 70 mm	500Pa
	Flexible wall	Gypsum plaster / Mortar	A: FDC 25 EI 90 (ve i↔o)S A: FDC 40 EI 120 (ve i↔o)S B: EI 60 (ve i↔o)S	A: Plasterboard type F (EN520), mineral wool up to 115 kg/m^3 B: Plasterboard type A (EN520), mineral wool up to 60 kg/m^3	≥ 100 mm	300Pa
		Gypsum plaster / Mortar and cover boards	A: EI 120 (ve i↔o)S B: EI 60 (ve i↔o)S			500Pa
		Mineral wool and cover boards	A: EI 90 (ve i↔o)S B: EI 60 (ve i↔o)S			500Pa
		Fire Batt/ Weichschott	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/m^3	≥ 75 mm	300Pa
		Fire Batt/ Weichschott	EI 90 (ve i↔o)S	Cross laminated timber (30+40+30 mm) (480 kg/m^3)	≥ 100 mm	300Pa
		Eurobond Firemaster Extra	FDC25:EI 60 (ve i↔o)S FDC40: EI 60 S/ E 90 S (ve i↔o)S	Mineral wool (≥ 23 kg/m^3)		300Pa
	Rigid wall + Sliding ceiling	Gypsum plaster / Mortar + Mineral wool (70 kg/m^3)	EI 120 (ve i↔o)S	Aerated concrete (≥ 450 kg/m^3)	≥ 100 mm	300Pa
	Flexible wall + Sliding ceiling	Gypsum plaster / Mortar and cover boards + Mineral wool (115 kg/m^3)	EI 120 (ve i↔o)S	Plasterboard type F (EN520)	≥ 100 mm	300Pa
FDC25 d100-d315 mm FDC40 d355-d800 mm	Floor/ceiling	Gypsum plaster / Mortar	EI 120 (ho i↔o)S	Aerated concrete (≥ 450kg/m^3) Reinforced concrete (≥ 2200kg/m^3)	≥ 100 mm	500Pa
		Fire Batt/ Weichschott	EI 90 (ho i↔o)S			300Pa

Declaration of performance
INSTALLATION WITH SUBFRAMES AND REMOTE FROM WALLS

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 fire-proof coating - FireBatt
- Applique kit installation
- MF1/MF2 kit installation
- Remote from wall installation

Range	Supporting construction	Type of installation	Classification	Supporting construction details	Wall thickness	Tested underpressure
APP INSTALLATION FRAME FDC25 d100-d315 mm	Rigid wall	APPLIQUE (installation frame)	EI 90 (ve i↔o)S	Aerated concrete (≥ 450kg/m^3) Reinforced concrete (≥ 2200kg/m^3)	≥ 100 mm	500Pa
		APPLIQUE (installation frame)	EI 90 (ve i↔o)S	Gypsum blocks (≥ 995kg/m^3)	≥ 70 mm	500Pa
	Flexible wall	APPLIQUE (installation frame)	EI 90 (ve i↔o)S EI 60 (ve i↔o)S	Plasterboard type Type F (EN520) Type A (EN520)	≥ 100 mm	500Pa
MF1/ MF2 INSTALLATION FRAME FDC25 MF1 d100-d315 mm FDC25 MF2 d100-d315 mm FDC40 MF2 d355-d800 mm	Rigid wall	MF1 (installation frame)	FDC25:EI 60 (ve i↔o)S	Aerated concrete (≥ 450kg/m^3) Reinforced concrete (≥ 2200kg/m^3)	≥ 100 mm	500Pa FDC25: 300Pa FDC40: 500Pa
		MF2 (installation frame)	EI 90 (ve i↔o)S			
		MF1 (installation frame)	FDC25:EI 60 (ve i↔o)S	Gypsum blocks (≥ 995kg/m^3)	≥ 70 mm	300Pa 500Pa
		MF2 (installation frame)	EI 90 (ve i↔o)S			
	Flexible wall	MF1 (installation frame)	A:FDC25:EI 60 (ve i↔o)S B:FDC25:EI 60 (ve i↔o)S	Plasterboard A:type A (EN520) B:type F (EN520)	≥ 100 mm	500Pa FDC25: 300Pa FDC40: 500Pa
		MF2 (installation frame)	A:EI 60 (ve i↔o)S B:EI 90 (ve i↔o)S			
	Floor/ceiling	MF1 (installation frame)	FDC25:EI 120 (ho i↔o)S	Plasterboard type F (EN520)	≥ 100 mm	300Pa
		MF2 (installation frame)	FDC40:EI 90 (ho i↔o)S	Aerated concrete (≥ 450kg/m^3) Reinforced concrete (≥ 2200kg/m^3)		500Pa
MF2 INSTALLATION FRAME FDC25 MF2 d100-d315 mm FDC40 MF2 d355-d800 mm	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
ISOVER FDC25 d100-d315 mm FDC40 d355-d630 mm	Flexible wall	REMOTE FROM WALL (Isover)	EI 60 (ve i↔o)S	Plasterboard type F (EN520)	≥ 100 mm	300Pa
	Rigid wall			Aerated concrete (≥ 450kg/m^3) Reinforced concrete (≥ 2200kg/m^3)		