

Declaration of performance

DoP br. 710/2020_12_EN



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	HRN EN 15650:2010	
Notified body	EFECTIS, France – Notified body 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)	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 HRN EN 60068-2-52	NPD
	Casing airtightness: - according to HRN EN 1751	Class ≥ C
	Damper blade airtightness: - according to HRN EN 1751	Class ≥ 3

This Declaration of performance is available at www.swegon.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

Samobor, 01.12.2020.

2 klimaoprema d.d.
Za projektiranje, proizvodnju, postavljanje,
popravak i održavanje opreme za klimatizaciju
10430 SAMOBOR, GRADNA 78/A

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

Range	Supporting construction	Type of installation	Wall thickness	Supporting construction details	Classification	Tested under pressure	Details		
FD25 & FD40	Rigid wall	Gypsum plaster/Mortar	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	EI 120 (ve i↔o)S	500Pa	▼		
		Mineral wool and cover boards			EI 90 (ve i↔o)S	500Pa	▼		
		Fire Batt/Weichschott				300Pa	▼		
	Flexible wall	Gypsum plaster/Mortar and cover boards	≥ 70 mm	Gypsum blocks (≥ 995 kg/m³)	EI 120 (ve i↔o)S	500Pa	▼		
		Gypsum plaster/Mortar and cover boards	≥ 100 mm	A: Plasterboard type F (EN520), mineral wool up to 100 kg/m³	A: EI 120 (ve i↔o)S B: EI 60 (ve i↔o)S	500Pa	▼		
		Mineral wool and cover boards		B: Plasterboard type A (EN520), mineral wool up to 60 kg/m³	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	▼		
	Floor/ceiling	Gypsum plaster/Mortar	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	EI 120 (ho i↔o)S	500Pa	▼		
		Fire Batt/Weichschott			EI 90 (ho i↔o)S	300Pa	▼		
APPLIQUE INSTALLATION FRAME FD25 APP 100x200 till 800x600 mm	Rigid wall	APPLIQUE (installation frame)	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200kg/m³)	EI 90 (ve i↔o)S	500Pa	▼		
	Flexible wall	APPLIQUE (installation frame)	≥ 70 mm	Gypsum blocks (≥ 995 kg/m³)	EI 90 (ve i↔o)S	500Pa	▼		
		APPLIQUE (installation frame)	≥ 100 mm	Plasterboard type F (EN520)	EI 90 (ve i↔o)S	500Pa	▼		
MF1/ MF2 INSTALLATION FRAME FD25 MF1 100x200 till 800x600 mm FD25 MF2 100x200 till 800x600 mm (only shaft wall) FD40 MF2 800x600 till 1500x800 mm	Rigid wall	MF1/MF2 (installation frame)	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200kg/m³)	FD25: EI 60 (ve i↔o)S FD40: EI 90 (ve i↔o)S	500Pa	▼		
	Flexible wall	MF1/MF2 (installation frame)	≥ 70 mm	Gypsum blocks (≥ 995 kg/m³)	FD25: EI 60 (ve i↔o)S FD40: EI 90 (ve i↔o)S	500Pa	▼		
	Flexible wall	MF1/MF2 (installation frame)	≥ 100 mm	Plasterboard A: type A (EN520) B: type F (EN520)	A: FD25: EI 60 (ve i↔o)S B: FD40: EI 90 (ve i↔o)S	500Pa	▼		
	Floor/ceiling	MF1/MF2 (installation frame)	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	FD25: EI 120 (ve i↔o)S FD40: EI 90 (ve i↔o)S	300Pa	▼		
	Flexible wall	MF2 (installation frame)	≥ 90 mm	Shaft wall (steel frame)	FD25: EI 90 (ve i↔o)S FD40: EI 90 (ve i↔o)S	500Pa	▼		
									

 Aerated concrete (≥ 550 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 (≥ 550 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

FD40	Rigid wall	REMOTE FROM WALL (Promat)	≥ 110 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200kg/m³)	EI 60 (ve i↔o)S	300Pa	▼		
	Rigid wall	REMOTE FROM WALL (Isover)	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200kg/m³)	EI 60 (ve i↔o)S	300Pa	▼		
	Flexible wall			Plasterboard type F (EN520)					
FD40 (2x2 up to 1200x800 mm)	Rigid wall	Battery 2x2, 1x2	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	EI 120 (ve i↔o)S	500Pa	▼		
	Floor/ceiling	Battery 2x2	≥ 100 mm	Aerated concrete (≥ 550 kg/m³) Reinforced concrete (≥ 2200 kg/m³)	EI 120 (ve i↔o)S	500Pa	▼		

-  Aerated concrete (≥ 550 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 (≥ 550 kg/m³) or reinforced concrete (≥ 2200 kg/m³) ceiling / floor, more than 100 mm thick

-  Gypsum plaster, mortar sealing of 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