

Declaration of performance

DoP br. 711/2020_12_EN



Identification mark	FDC25/40 – Cylindrical 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, Hrvatska	
System for evaluating and verifying the constancy of properties	System 1	
Harmonized norm	HRN EN 15650:2010	
Notified body	EFFECTIS, France – notified body No. 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)	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 dipl.ing.

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

Samobor, 01.12.2020.

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

Range	Supporting construction	Wall thickness	Supporting construction details	Type of installation	Classification	Tested underpressure	Details	Construction type	Sealing type
d100-d800 mm	Rigid wall	≥ 100 mm	Aerated concrete (≥ 550kg/m³) Reinforced concrete (≥ 2200kg/m³)	Gypsum plaster / Mortar	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	≥ 70 mm	Gypsum blocks (≥ 995kg/m³)	Gypsum plaster / Mortar and cover boards	EI 120 (ve i↔o)S	500Pa			
		≥ 100 mm	A: Plasterboard type F (EN520), mineral wool up to 100 kg/m³ B: Plasterboard type A (EN520), mineral wool up to 60 kg/m³	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			
		Floor/ceiling ≥ 100 mm	Aerated concrete (≥ 550kg/m³) Reinforced concrete (≥ 2200kg/m³)	Gypsum plaster / Mortar	EI 120 (ho i↔o)S	500Pa			
				Fire Batt/ Weichschott	EI 90 (ho i↔o)S	300Pa			
APP INSTALLATION FRAME d100-d315 mm	Rigid wall	≥ 100 mm	Aerated concrete (≥ 550kg/m³) Reinforced concrete (≥ 2200kg/m³)	APPLIQUE (installation frame)	EI 90 (ve i↔o)S	500Pa			
		≥ 70 mm	Gypsum blocks (≥ 995kg/m³)	APPLIQUE (installation frame)	EI 90 (ve i↔o)S	500Pa			
	Flexible wall	≥ 100 mm	Plasterboard type F (EN520)	APPLIQUE (installation frame)	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 or mortar and cover boards

 Sealing with mineral wool and cover boards

 Sealing with mineral wool and fireproof coating - FireBatt / Weichschott

 Applique kit installation

 MF1/MF2 kit installation

 Remote from wall installation

MF1/MF2 INSTALLATION FRAME FDC25 MF1 d100-d315 mm FDC40 MF2 d355-d800 mm	Rigid wall	≥ 100 mm	Aerated concrete (≥ 550kg/m³) Reinforced concrete (≥ 2200kg/m³)	MF1/MF2 (installation frame)	FDC25:EI 60 (ve i↔o)S FDC40:EI 90 (ve i↔o)S	500Pa	▼		
	Flexible wall	≥ 70 mm	Gypsum blocks (≥ 995kg/m³)	MF1/MF2 (installation frame)	FDC25:EI 60 (ve i↔o)S FDC40:EI 90 (ve i↔o)S	500Pa	▼		
		≥ 100 mm	Plasterboard A: type A (EN520) B: type F (EN520)	MF1/ MF2 (installation frame)	A:FDC25:EI 60 (ve i↔o)S B:FDC40:EI 90 (ve i↔o)S	500Pa	▼		
	Floor/ceiling	≥ 100 mm	Aerated concrete (≥ 550kg/m³) Reinforced concrete (≥ 2200kg/m³)	MF1/MF2 (installation frame)	FDC25:EI120 (ho i↔o)S FDC40:EI 90 (ho i↔o)S	300Pa	▼		
MF2 INSTALLATION FRAME FDC25 MF2 d100-d315mm FDC40 MF2 d355-d800 mm	Flexible wall	≥ 90 mm	Shaft wall (steel frame)	MF2 (installation frame)	FDC25:EI 90 (ve i↔o)S FDC40:EI 90 (ve i↔o)S	500Pa	▼		
ISOVER d100-d630 mm (only FDC40)	Flexible wall	≥ 100 mm	Plasterboard type F (EN520)	REMOTE FROM WALL (Isover)	EI 60 (ve i↔o)S	300Pa	▼		
	Rigid wall		Aerated concrete (≥ 550kg/m³) Reinforced concrete (≥ 2200kg/m³)						

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

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