



EC DECLARATION OF PERFORMANCE

RAM-F-024 B

Fire Shield DWFX-F fire damper
Fire Shield DWFX-3F fire damper
Fire Shield DWFX-C fire damper
Fire Shield I/F fire damper
Fire Shield S&A damper

Complying with the following EU Regulation:
305/2011/EEC : Construction Products Regulation

Swegon Air Management LTD
Actionair, South Street, Whitstable, Kent CT5 3DU

System 1
Applus+ – NB0370

Performed the determination of the product type on the basis of type testing, and the initial inspection of the manufacturing plant and of factory production control and continuous surveillance, assessment and evaluation of factory control under system 1 and issued the certificate of constancy of conformity of the factory production control (0370-CPR-5270)

Declared performance according to:
BS EN 15650 'Ventilation for buildings: Fire Dampers'

Product	Fire Shield (FS)
Intended Use	Fire Damper (non-motorised) to be used in conjunction with fire partitions to maintain compartment integrity in heating ventilation and air-conditioning (HEVAC) system.
Manufacture	Swegon Air Management Ltd, South Street, Whitstable, Kent CT5 3DU
System of AVCP	System 1
Harmonised Standard/Notified Body/Certificate number	BS EN15650, Applus+, certificate number, 0370-CPR-5270
Performance Standard	Testing to BS EN 1366-2, Classification to BS EN 13501-3, EXAP to BS EN 15882-2

Installation Method	Drawing	Size Range	Wall/Floor Construction	Min Wall/Floor Thickness	Min Supporting Construction			Performance Classification
DWFX-F	AA/F10705	100-1250mm X 100-1000mm	Flexible Wall	100mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E120(ve i↔o) - (300Pa)
DWFX-F	AA/F13440	100-1250mm X 100-1000mm	Flexible Wall	75mm	EI30 Classification	1x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E60(ve i↔o) - (300Pa)
DWFX-F	AA/F10707	100-1250mm X 100-1000mm	Rigid Wall	100mm	Blockwork			E120(ve i↔o) - (300Pa)
DWFX-F	AA/F10707	100-1250mm X 100-1000mm	Rigid Wall	75mm	Blockwork			E60(ve i↔o) - (300Pa)
S/A with BATT	AA/F10711	100-1250mm X 100-1000mm	Flexible Wall	100mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E120(ve i↔o) - (300Pa)
S/A with BATT	AA/F10713	100-1250mm X 100-1000mm	Rigid Wall	100mm	Blockwork			E120(ve i↔o) - (300Pa)
DWFX-3F	AA/F11944	100-1250mm X 100-1000mm	Flexible Wall	100mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E120(ve i↔o) - (300Pa)
DWFX-3F	AA/F12827	100-1250mm X 100-1000mm	Rigid Wall	100mm	Blockwork			E120(ve i↔o) - (300Pa)
DWFX-C	AA/F10709	100-1250mm X 100-1000mm	Flexible Wall	100mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E120(ve i↔o) - (300Pa)
DWFX-C Slab	AA/F11682	100-1250mm X 100-1000mm	Flexible Wall	100mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E120(ve i↔o) - (300Pa)
DWFX-C no pattrass	AA/F10723	100-1250mm X 100-1000mm	Flexible Wall	120mm	EI60 Classification	2x12.5, type F (EN520) board each side	Insulation – at least 30kg/m ³ and 40mm thick (insulation optional)	E90(ve i↔o) - (300Pa)
HEVAC/IF	AA/F10703	100-1250mm X 100-1000mm	Rigid Wall	100mm	Blockwork			E120(ve i↔o) - (300Pa)
HEVAC/IF	AA/F10701	100-1250mm X 100-1000mm	Rigid Floor	100mm	Aerated concrete 580kg/m ³			E120(ho i↔o) - (300Pa)

Registered Address

Swegon Air Management Ltd

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Revision 18 18/08/2022

Additional Options	Description
Case Material	Galvanised Steel, 430 Stainless Steel, 316 Stainless Steel
Blade Material	Galvanised Steel, 430 Stainless Steel, 316 Stainless Steel

Essential Characteristic	Performance
Nominal activation conditions/sensitivity according to ISO 10294-4, <i>Sensing element – Response behavior and faulty set-off</i>	Pass
Response delay (response time) according to BS EN 1366-2, <i>Closure time</i>	Pass
Operational reliability according to BS EN 1366-2, <i>Cycling</i>	Pass
Durability of response delay according to BS EN 1366-2, <i>Sensing element response to temperature and load bearing capacity</i>	Pass
Durability of operational reliability according to BS EN 15650, <i>Open and closing cycle</i>	50 Cycles
Protection against corrosion according to EN 60068-2-52	Pass
Damper casing leakage according to BS EN 1751	Class C

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Signed for on behalf on the manufacturer
Business Unit Director for Smoke and Fire
Solutions
Andrew Collard




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