1. FBC LEAFLET

1.1. FBC Fire damper

Fire dampers FBC are devices for use in heating, ventilation and air-conditioning (HVAC) systems at fire boundaries to maintain compartmentation and protect escape routes in case of fire. They satisfy integrity, insulation and smoke leakage criteria for the declared time of fire resistance.

Tested and classified in accordance with EN 1366-2 and EN 13501-3 standards with 300 Pa depression.

1.2. How to order

Code		
Product type	FBC	Circular fire damper butterfly type
Model	1	Classification EI 60 S without terminal valve
	4	Classification EI 90 S without terminal valve
	7	Classification EI 120 S without terminal valve
Position indication microswitches	S0	Without position microswitch
Dimension	XYZ	Nominal diameter (mm)

Examples	Code
Fire damper EI 120 S without valve and without microswitch, Ø 200	FBC7-N-S0-200
Fire damper EI 60 S without valve and without microswitch, Ø 100	FBC1-N-S0-100
Fire damper EI 90 S without valve and without microswitch, Ø 125	FBC4-N-S0-125

1.3. Accessories and spare parts

	Arch infill panels for installation from Ø 100 to Ø 200 (plasterboard thickness12.5 mm or promatect 100 thickness 12mm)	TAMP-WH25-Ø
	closed blade microswitch (num.1)	FBCFC
	Thermofuse with 70 °C setting for FBC	FBC70
	Terminal valve	VP-FBC-ØXYZ
	Installation strip (required **only** for installation of two dampers at a distance of less than 200mm, on a light vertical wall, only with rock wool sealing)	BELT-FBC-ØXYZ

references: offer@mp3-italia.it

1.4. Fire resistance classification

VERITCAL RIGID WALL (min. thickness 100mm / min. density 550Kg/m3)

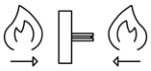
VERTICAL PLASTER BLOCKS WALL (Carreaux de platre / min. thickness 70mm FBC1, min. thickness 100mm FBC1, FBC4, FBC7)

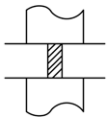
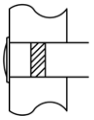
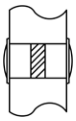
VERTICAL LIGHT WALL (min. thickenss 100mm)

VERTICAL SAFETY LIGHT WALL (Firewall / Brandwande / Spessore min. 100mm)

 **PRESSURE 300Pa**

 **AXIS IRRELEVANT**

 **FIRE DIRECTION (i ↔ o)**

TYPE OF INSTALLATION	TYPE OF HOLE	SEALING AND DESCRIPTION	FBC1 (60 min)	FBC4 (90 min)	FBC7 (120 min)
IN  INSIDE THE WALL, DUCTED BOTH SIDES	SQUARE HOLE b: ∅ + 50 h: ∅ + 50	MORTAR OR PLASTER PUTTY	EI 60 S	EI 90 S	EI 120 S
		ROCK WOOL WITH MORTAR OR PLASTER OF COVERAGE	EI 60 S	EI 90 S	EI 120 S
		ROCK WOOL WITH PLASTERBOARD OR PROMATECT 100	EI 60 S	EI 90 S	EI 120 S
IN  INSIDE THE WALL, DUCTED ONE SIDE	CIRCULAR HOLE ∅ + 50	MORTAR OR PLASTER PUTTY	EI 60 S	EI 90 S	EI 120 S
		ROCK WOOL WITH MORTAR OR PLASTER OF COVERAGE	EI 60 S	EI 90 S	EI 120 S
IN  INSIDE THE WALL, TRANSFER		ROCK WOOL WITH PLASTERBOARD OR PROMATECT 100	EI 60 S	EI 90 S	EI 120 S
	SQUARE HOLE min. 600 X 600	FIRE BATT (WEICHSCHOTT)	EI 60 S	EI 90 S	EI 120 S

 WET METHOD SEALING

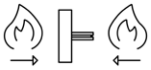
 DRY SEALING

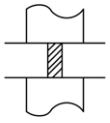
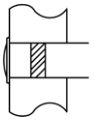
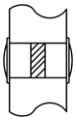
FLOOR

FBC1 min. thickness 100mm
FBC4 FBC7 min. thickness 150mm

 **PRESSURE 300Pa**

 **AXIS IRRELEVANT**

 **FIRE DIRECTION (i ↔ o)**

TYPE OF INSTALLATION	TYPE OF HOLE	SEALING AND DESCRIPTION	FBC1 (60 min)	FBC4 (90 min)	FBC7 (120 min)
IN  INSIDE THE WALL, DUCTED BOTH SIDES	SQUARE HOLE b: ∅ + 50 h: ∅ + 50	MORTAR OR PLASTER PUTTY	EI 60 S	EI 90 S	EI 120 S
IN  INSIDE THE WALL, DUCTED ONE SIDE	CIRCULAR HOLE ∅ + 50	MORTAR OR PLASTER PUTTY	EI 60 S	EI 90 S	EI 120 S
IN  INSIDE THE WALL, TRANSFER	SQUARE HOLE min. 600 X 600	FIRE BATT (WEICHSCHOTT)	EI 60 S	EI 90 S	EI 120 S

 WET METHOD SEALING