BUILDING RESEARCH INSTITUTE
CERTIFICATION DEPARTMENT

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AC 020

EC CERTIFICATE OF CONFORMITY

1488-CPD-0353/W

In compliance with Council Directive 89/106/EEC of 21 December 1988 *on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products* (the Construction Products Directive or CPD), as later amended, it has been stated that the construction product

Fire damper type RK370

fire resistance class according to PN-EN 13501-3+A1:2010 (EN 13501-3:2005+A1:2009):

EI 120 (ve i↔o) S

general identification, scope of maintain using and parameters described in Annex No. Z-1488-CPD-0353/W which is integral part of this certificate

placed on the market by

Frapol Sp. z o.o.
ul. Mierzeja Wiślana 8
30-832 Kraków

and produced in the factory

FRAPOL Sp. z o.o.
ul. Mierzeja Wiślana 8
30-832 Kraków

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 1488 - *Building Research Institute* - has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard.

EN 15650:2010

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on 27.03.2013 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

HEAD
of the Certification Department
Barbara Dobosz

DEPUTY DIRECTOR
of the Building Research Institute
Michał Wójtowicz

Warsaw, 27.03.2013

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Annex No. Z-1488-CPD-0353/W

which is an integral part of the certificate No. 1488-CPD-0353/W

Fire Damper type RK370		
Fire resistance class (classified according to EN 13501-3+A1:2009 and tested according to EN 1366-2:1999)		**EI 120 (ve i↔o) S**
Shape and dimensions		Circular with nominal diameter [mm]: from Ø 100 up to Ø 630
Closing mechanism		• Type HO / HE – manually tensioned spring with return spring system released by fusible link, • Type MR – manually tensioned spring with return spring system released by fusible link, held by solenoid: - for all sizes - (Mecalectro) type F.5.12.44 or (Binder/Kendrion) type GT32B001) - for dampers diameter not bigger than Ø 315: - Mecalectro) type F.5.80.05 or - (Binder/Kendrion) type GT25B001 • Type ER – general purpose actuator type (full open / full close): (Belimo) types: BLF24, BLF230, BLF24-T, BLF230-T, BLF24-T-ST, BF24TL-T-ST released by thermoelectric tripping device.
Thermal sensing element		(For manually tensioned spring mechanism – HO / HE, MR) - Ampoule (ESTI): ESTI cartridge type 70 or fusible link (FRAPOL) type FRA5
		(For general purpose actuator - ER) - Thermoelectric tripping devices: - (Belimo) type BAE72 or ZBAE95 or - optionally: ESTI cartridge type 70 or fusible link (FRAPOL) type FRA5.
Additional equipment		Fire damper may be optionally equipped with end-switchers to indicate open or close position type Omron Z-15GW-B or Highly Z15G1701 or Honeywell BZ-2RW80-A2.
Mounted in	Walls	Concrete with thickness min 115 mm
		Brickwork or aerated concrete walls with thickness min 115 mm
		Plasterboard walls installed with metal studs framing approved to fire resistance class not less than EI 120 with a thickness min 125 mm.
	Floor	Not classified
Minimum distance between dampers in parallel installation:		200 mm
Minimum distance between damper and dividing element:		75 mm
Durability of operational reliability (open and closing cycle tests):		50 cycles (manually tensioned spring released only by sensing element) 300 cycles (manually tensioned spring, held by solenoid) 10 000 cycles (for general purpose actuator)

HEAD
of Certification Department
Barbara Dobosz

INSTYTUT TECHNIKI BUDOWLANEJ

Warsaw, 27.03.2013

DEPUTY DIRECTOR
of Building Research Institute
Michał Wójtowicz