



Klimatyzacja – Chłodnictwo – Wentylacja – Wymiana ciepła
Air conditioning – Refrigeration – Air handling – Heat exchange

DECLARATION OF PERFORMANCE
No. 03-EN-2013

1. Unique identification code of the product-type:

GRYFIT LX-5

2. Type, batch or serial number or any other element allowing identification of the construction product

See product material label

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

GRYFIT LX-5 can be installed in the following vertical space dividing elements

- Concrete floor with a thickness not smaller than 150 mm
- Concrete wall with a thickness not smaller than 125 mm
- Hollow brick walls with a thickness not smaller than 125 mm
- Concrete masonry walls with a thickness not smaller than 125 mm
- Plasterboard walls installed with metal studs framing approved to fire resistance class not less than EI 120 with a thickness not smaller than 125 mm

NOTE: due to the use of seals activated by heat to provide the required fire resistance - in accordance with the requirements of EN 15650:2010:E - the fire damper must be closed automatically as soon as fire is detected. Therefore, the possibility of changing the position of the fire dampers – using them to conduct rescue actions by firefighters - is excluded.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer:

CIAT Sp. z o.o. ul. Langiewicza 62 95-050 Konstancynów Łódzki Poland

5. System or systems of assessment and verification of constancy of performance of the construction product:

System 1

6. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

The notified body 1488 – Building Research Institute – carried out the initial inspection of the manufacturing plant and of the factory production control as well as the continuous surveillance, assessment and evaluation of factory production control according to System 1 of the Construction Products Regulation; the Certificate of Conformity 1488-CPD-0278/W was issued.



7. Declared performance:

Essential characteristics	Performance	Harmonised technical specification (directive, test standard)
Classification of the fire resistance	EI120 (ve ho o ↔i)S	(PN-EN 13501-3+A1:2010)
Durability of operational reliability (open and closing cycle tests)	10 000 cycles – fire damper equipped with following actuating mechanisms FDG -WT-8-230 lub FDG-WT-8-24	PN-EN 15650:2010: E
Sensing element response temperature	Less than 4 minutes (nominal response temperature - 72°C)	(ISO 10294-4:2001)
Sensing element load bearing capacity	60 minutes , temperature 60°C air flow 1 m/s	(ISO 10294-4:2001)
Degrees of protection provided by enclosure	IP54	EN 60730-2-14:2004 / A2:2009
Protection against electric shock	Class II	EN 60730-2-14:2004 / A2:2009
Number of automatic cycles of each automatic action	60 000	EN 60730-2-14:2004 / A2:2009
Electromagnetic Compatibility	Pass	EMC DIRECTIVE 2004/108/EC
Essential safety requirements of actuator	Pass	(LOW VOLTAGE DIRECTIVE 2006/95/EC)
Damper casing leakage	C	(PN-EN 1751: 2002)
Damper blade leakage	4	(PN-EN 1751: 2002)
Protection against corrosion (salt spray exposure test)	Pass	(PN-EN 60068-2-52:2001)
Size	Length – L 200 mm to 1500 mm Height – H 200 mm to 1200 mm Diameter – D 100 mm to 1000 mm	-
Nominal activation conditions	Automatically activated by remote signal of current interruption after the detection of fire by the fire alarm system or due to an increase of temperature (thermal fuse activation) – safety position: fire damper closed.	PN-EN 15650:2010: E

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4

Konstantynow Lodzki – 01.07.2013r.

Signed for and on behalf of the manufacturer by

Kamil Maszczyk

*Fire Safety and Air Diffusion
Product Manager*