

**DECLARATION OF PERFORMANCE  
NR 01-GT-A-EN-2018**

1. Unique identification code of the product type: VX-6
2. Product type: Smoke control damper.
3. Type, batch or serial number or any other element allowing identification of the construction product:  
See product material label.
4. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:  
Installation acceptable for:
  - a) single compartment smoke control dampers are used respectively in duct work installation and are installed in or out of the supporting construction,
  - b) vertical and horizontal spaces:
    - concrete walls thickness min. 110 mm,
    - wall from full bricks thickness min. 110 mm,
    - walls from aerated concrete thickness min. 110 mm,
    - flexible wall made from gypsum boards thickness min. 150 mm,
    - concrete ceilings thickness min. 150 mm.
5. Name, registered trade name or registered trade mark and contact address of the manufacturer:  
GRYFIT TECHNIK Sp. z o.o., ul. Łąkowa 11, 95-050 Konstancin Łódzki, Poland.
6. System or systems of assessment and verification of constancy of performance of the construction product:  
System 1.
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
  
The notified body 1391 – PAVUS – 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 Constancy of Performance No. 1391-CPR-2017/0173/O1 was issued.
8. Declared performance:

Essential characteristics	Performance	Harmonised technical specification (directive, test standard)
Classification of the fire resistance	<p><u>In the case of installation in single compartment ducts of fire ventilation systems in or out of the building partition:</u></p> <p>VX-6 with standard blade without reinforcement:</p> <p>E<sub>800</sub> 120 (v<sub>ew</sub> - i↔o) S1500C<sub>10000</sub> AA single, valid also for:            E<sub>800</sub> 90 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA single,            E<sub>800</sub> 60 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA single.</p> <p>VX-6 with reinforcement of blade (VX-6 + WM):</p> <p>E<sub>800</sub> 120 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA single valid also for:            E<sub>800</sub> 90 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA single,            E<sub>800</sub> 60 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA single.</p> <p><u>In the case of installations in building partitions:</u></p> <p>VX-6 with standard blade without reinforcement:</p> <p>EI120 (v<sub>ew</sub> - i↔o) S1500C<sub>10000</sub> AA multi, valid also for:            EI90 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA multi,            EI60 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA multi.</p> <p>VX-6 with reinforcement of blade (VX-6 + WM):</p> <p>EI120 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA multi, valid also for:            EI90 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA multi,            EI60 (v<sub>ew</sub> - h<sub>ow</sub> - i↔o) S1500C<sub>10000</sub> AA multi.</p>	PN-EN 13501-4:2007+A1:2009 - test based on PN-EN 1366-10:2011
Durability of operational reliability (open and closing cycle tests)	<p>10 000 cycles – smoke control damper equipped with following actuating mechanisms:</p> <ul style="list-style-type: none"> <li>– actuators SDG-15-24, SDG-15-230,</li> <li>– mechanism GRYFIT H with electromagnet impulse EI24 or EI230 and with FDG-8-24 or FDG-8-230 actuators,</li> <li>– actuators BE24, BE230, BLE24, BLE230, BE24-ST, BE230-ST, BLE24-ST i BLE230-ST.</li> </ul>	PN-EN 12101-8:2011
Degrees of protection provided by enclosure	IP54	PN-EN 60730-2-14:2004/A2:2009 PN-EN 60730-1:2012 (PN-EN 60529:2003)
Electromagnetic Compatibility of actuator	Pass	EMC Directive 2004/108/EC
Essential safety requirements of actuator	Pass	Low Voltage Directive 2006/95/EC
Dimensions	Min: L x H = 200 mm x 200 mm, Max: L x H = 1500 mm x 800 mm or L x H=1200 mm x 1000 mm, Length of body: 290 mm	

9. The performance of the product identified in points 1 and 3 are in conformity with the declared performance in point 8.

This Declaration of Constancy of Performance is issued under the sole responsibility of the manufacturer identified in point 5 .

Konstantynów Łódzki – 21.02.2018 r.

Signed for and on behalf of the manufacturer by:

Ewa Nawińska

*Ewa Nawińska*

THE AUTHORITY OF THE MANAGEMENT GRYFIT TECHNIK Sp. z o.o.