

FIRE RESEARCH CENTRE OF THE FIRE SAFETY AND RESCUE DEPARTMENT UNDER THE MINISTRY OF THE INTERIOR OF THE REPUBLIC OF LITHUANIA	LITHUANIAN NATIONAL ACCREDITATION BUREAU Product certification ISO/IEC 17065 No. LA.03.009
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CERTIFICATE OF CONFORMITY OF CONSISTENCY OF PERFORMANCE

No. GTC 100623

Issued on: 16/06/2016

Valid through: 15/06/2019

Issued to: UAB Paroc, registered address Savanorių pr. 124, LT-03153, Vilnius, Republic of Lithuania.

The present Certificate of Conformity of Consistency of Performance certifies that the following types of stone wool mats and slabs designed for fireproof insulation of ventilation ducts:

PAROC Hvac Fire Mat AluCoat LT mat, PAROC Hvac Fire Slab AluCoat EI45 LT, PAROC Hvac Fire Slab AluCoat EI60 LT, PAROC Hvac Fire Slab AluCoat EI90 LT, PAROC Hvac Fire Slab AluCoat EI120 LT slabs (see Annex),

produced by Paroc Polska Sp. z o.o., ul.Gnieźnieńska 4, PL-62-240 Trzemeszno, Republic of Poland, conform to fire classification in accordance with LST EN 13501-3:2006+A1:2010 (see Annex).

This Certificate of Conformity has been issued based on:

DBI (Denmark) test reports (see Annex); GTC AUBS (Lithuania) classification reports (see Annex), GTC ST (Lithuania) decision on the assessment of production quality control No. GL-3.7/12/15; GTC AJS (Lithuania) report on the assessment and testing of the consistency of performance of a building product No. IA-10/12/15.

This Certificate of Conformity requires that the specified fire equipment be marked with the conformity (certification) label **GJAŽ-01**.

[Round seal:

Fire Research Centre // Fire Safety and
Rescue Department // under the Ministry
of the Interior of the Republic of
Lithuania]

[signature]

(signature)

General Manager

Donatas Lipinkas

(position of the manager of the certification
body)

(full name)

Copy No. 000219

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ANNEX TO THE CERTIFICATE OF CONFORMITY OF CONSISTENCY OF PERFORMANCE NO. GTC 100623

Issued on: 16/06/2016

BUILDING PRODUCT NAME:

Stone wool mats and slabs for fireproof insulation of ventilation ducts: PAROC Hvac Fire Mat AluCoat LT mat, and PAROC Hvac Fire Slab AluCoat EI45 LT, PAROC Hvac Fire Slab AluCoat EI60 LT, PAROC Hvac Fire Slab AluCoat EI90 LT, PAROC Hvac Fire Slab AluCoat EI120 LT slabs.

TEST AND CLASSIFICATION REPORTS USED FOR CONFORMITY ASSESSMENT:

DBI (Denmark) test reports: No. PG11885, No. PG11993, No. PG12150, No. PG12151, No. PG12242, No. PG12318, No. PG12178, No. PG12179, No. PG12180, No. PG12241, No. PG12266, No. PG12286, No. PG12310, No. PG12313, No. PG12314, No. PG12317; GTC AUBS (Lithuania) classification reports: No. 59-4.2013.7, No. 59-5.2013.7, No. 59-6.2013.7, No. 59-7.2013.7, No. 59-8.2013.7, No. 59-9.2013.7, No. 59-10.2013.7, No. 59-11.2013.7, No. 59-12.2013.7, No. 59-13.2013.7, No. 59-14.2013.7, No. 59-15.2013.7, No. 59-16.2013.7, No. 59-17.2013.7, No. 59-18.2013.7, No. 59-19.2013.7, No. 59-1.2014.7, No. 59-2.2014.7.

THE PRODUCT MEETS THE FOLLOWING MANDATORY SAFETY REQUIREMENTS:

Dependency of fire resistance of circular ventilation ducts on mat thickness when insulated with PAROC Hvac Fire Mat AluCoat LT mats with density of 80 kg/m³.

Thickness of PAROC Hvac Fire Mat AluCoat LT, mm	Fire resistance class according to LST EN 13501-3:2006 +A1:2010
40	EI 20 (ve ho i ↔ o)
60	EI 30 (ve ho i ↔ o)
80	EI 90 (ve ho i ↔ o)
100	EI 120 (ve ho i ↔ o)

Dependency of fire resistance of rectangular ventilation ducts on slab thickness when covered with 60 mm PAROC Hvac Fire Mat AluCoat LT slabs.

Slab type	Slab density, kg/ m ³	Fire resistance class according to LST EN 13501-3:2006 +A1:2010
PAROC Hvac Fire Slab AluCoat EI45 LT	80	EI 45 (ve ho i ↔ o)
PAROC Hvac Fire Slab AluCoat EI60 LT	120	EI 60 (ve ho i ↔ o)
PAROC Hvac Fire Slab AluCoat EI90 LT	140	EI 90 (ve ho i ↔ o)
PAROC Hvac Fire Slab AluCoat EI120 LT	180	EI 120 (ve ho i ↔ o)

Dependency of fire resistance of circular ventilation ducts on mat thickness when insulated with PAROC Hvac Fire Mat AluCoat LT mats with density of 80 kg/m³.

Thickness of PAROC Hvac Fire Mat AluCoat LT, mm	Fire resistance class according to LST EN 13501-3:2006 +A1:2010
40	EI 20 (ve ho i ↔ o)
60	EI 30 (ve ho i ↔ o)
80	EI 90 (ve ho i ↔ o)
100	EI 120 (ve ho i ↔ o)

Notes:

1. E: consistency criterion, I: thermal insulation criterion; ho: horizontal mounting, ve: vertical mounting; i ↔ o: internal/external fire in the ventilation duct.
2. Ventilation ducts must be mounted in a 150 mm rigid cellular-concrete ceiling and a 100 mm rigid cellular-concrete wall.

TECHNICAL DATA OF VENTILATION DUCTS:

Air duct design	Duct metal sheet thickness, mm	Sheet metal air duct leakage class	Max. size of metal sheet duct (Width x Height / Diameter), mm
Rectangular	≥ 0.9	B, C and D (according to LST EN 1507:2006)	1250 x 1000
Circular	≥ 0.7	D (according to LST EN 12237:2003)	1000

Note: This Certificate is valid for the following mats and slabs for fireproof insulation of ventilation ducts: PAROC Hvac Fire Mat AluCoat LT mat, PAROC Hvac Fire Slab AluCoat EI45 LT, PAROC Hvac Fire Slab AluCoat EI60 LT, PAROC Hvac Fire Slab AluCoat EI90 LT, PAROC Hvac Fire Slab AluCoat EI120 LT slabs, mounted according to UAB Paroc's Mounting Instruction No. v.1.0; 2014-09-11.

Senior Manager, Department of
Conformity Assessment

[Round seal:
Fire Research Centre // Fire Safety and
Rescue Department // under the Ministry
of the Interior of the Republic of
Lithuania]
[signature]

Rima Astrauskienė