



PAVUS, a.s.

AUTHORIZED BODY 216
NOTIFIED BODY 1391
ACCREDITED CERTIFICATION BODY FOR
PRODUCT CERTIFICATION NO. 3041

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CLASSIFICATION REPORT ON ROOFS EXPOSED TO EXTERNAL FIRE

Subject of classification: *Roofs and roof covering
according to ČSN EN 13501-5+A1: 2010, art.8.3
and 9*

Identification number: **PK5-03-13-005-A-0**

Name and type of element: *Waterproof membrane LOGICROOF V-RP 1.5 mm*

Sponsor: *LLC "Zavod LODGICROOF"
Vostochnij Promuzel 21
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Russia*

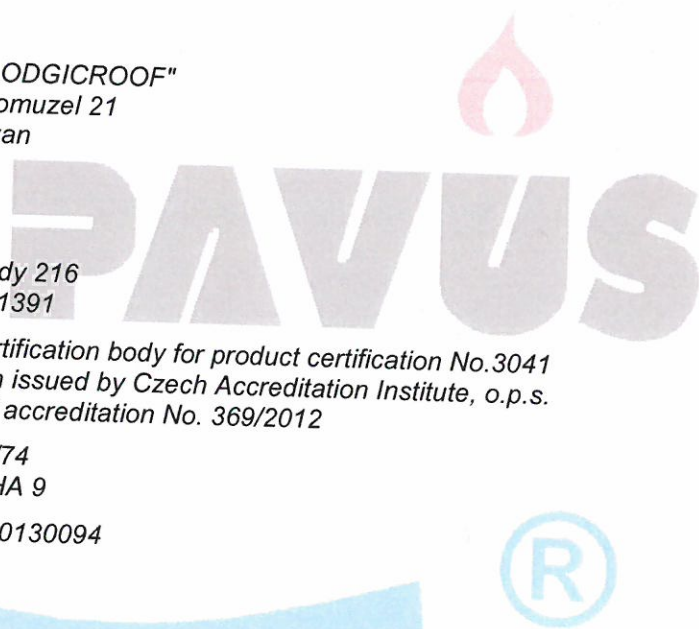
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1. INTRODUCTION

- 1.1. This Classification report specifies the classification of the concerned element in conformity to the procedures set forth in ČSN EN 13501-5 + A1.
- 1.2. This Classification report includes 3 pages and may be used as a whole only.

2. DETAILED INFORMATION ON THE CLASSIFIED ELEMENT

2.1. General

Waterproof membrane LOGICROOF V-RP 1.5 mm is a PVC-P based roof membrane reinforced with polyester grid. Mass per area is 1,8 kg/m².

2.2. Detailed roof description

Composition from the top layer – test specimen 1 and 2:

Waterproof membrane LOGICROOF V-RP 1.5 mm

Separating glass-fabric - VLIES 120 g/m²

Thermal insulation – boards of expanded polystyrene EPS 10S of 200 mm in thickness

Vapor barrier - PE membrane of 0.2 mm in thickness

Substrate of chipboard panels

The *waterproof membrane LOGICROOF V-RP 1.5 mm*, the separating glass-fabric - VLIES 120 g/m², the boards of expanded polystyrene EPS 100S (of 200 mm in thickness) and the vapor barrier PE membrane (of 0.2 mm in thickness) were anchored mechanically into the substrate of chipboard panels using anchors placed in the membrane overlap.

The tests were carried out on substrates of chipboard panels manufactured as per art. 6.5.4.4.2 b) – the results apply for all wooden continuous decks with a thickness of 12 mm at least, for all decks of wooden boards with straight edges and for all non-flammable decks with gaps up to 5 mm.

The tested roof pitch of 5° is in practice specified for a roof pitch up to 10° as per art. 6.5.4.4.1.

3. TEST REPORTS / EXTENDED APPLICATION REPORTS AND TEST RESULTS USED FOR THIS CLASSIFICATION

3.1. Test report

Name of laboratory Address Accreditation number	Sponsor of test report	Report number	Test method
PAVUS, a. s. Veselí nad Lužnicí ATL No. 1026	LLC "Zavod LODGICROOF" Vostochnij Promuzel 21 391000 Ryazan Russia	Pr-13-2.036 2013-04-29	ČSN P CEN/TS 1187 –test method 3

3.2. Test results of roof exposed to external fire

Pitch: 5°

Substrate: chipboard panel and composition as per 2.2.

Parameter	Criteria			Test results		Conformity		
	Class B _{ROOF} (t3)	Class C _{ROOF} (t3)	Class D _{ROOF} (t3)	Specimen 1	Specimen 2	Class B _{ROOF} (t3)	Class C _{ROOF} (t3)	Class D _{ROOF} (t3)
Time of external fire spread T_E	≥ 30 min	≥ 10 min		30 min	30 min	yes	-	-
Time to fire penetration T_p	≥ 30 min	≥ 15 min	> 5 min	-	-	yes	-	-

4. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

4.1. Reference of classification

This classification was carried out in conformity with article 8.3 and 9 of ČSN EN 13501 - 5 + A1.

4.2 Classification

The product – *waterproof membrane LOGICROOF V-RP 1.5 mm* – has been classified based on its behaviour under tests of roofs exposed to external fire into the following class:

B_{ROOF} (t3)

4.3. Field of application

This classification applies for following end use applications:

Waterproof membrane LOGICROOF V-RP 1.5 mm is intended as an anchored band for waterproof systems of roofs with a pitch up to 10°. It applies for all substrates of wooden continuous decks with a thickness of 12 mm at least, for all decks of wooden boards with straight edges and for all non-flammable decks with gaps up to 5 mm.

5. LIMITATION

This Classification report does not represent type approval or certification of the product.

This classification is valid unless the conditions, under which it was issued, have been changed. The customer may request the issuing authority to review the influence of changes to the classification validity.

Processed by:

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