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V 3041

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CLASSIFICATION REPORT FOR ROOFS EXPOSED TO EXTERNAL FIRE

Subject of classification:	*Roofs and roof coverings in accordance with EN 13501-5:2017, cl. 8.4 and 9*
Report No.:	***PK5-03-25-010-E-0***
Product name:	***Roof with ALPHA FLEXIBLE waterproofing and reflective insulation coating on MW thermal insulation***
Sponsor	***ALPHA CZECH s.r.o.*** *U Plynárny 348/83* *101 00 Prague – Michle* *Czech Republic*
Prepared by:	*PAVUS, a.s.* *Certification body for product certification No. 3041* *– accreditation issued by Czech Accreditation Institute, p. s. c.,* *– Certificate of Accreditation No. 16/2024* *Prosecká 412/74* *190 00 PRAGUE 9* *Czech Republic* *Order No. Z210250204*
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1 INTRODUCTION

1.1 This classification report defines the classification assigned to roof *with ALPHA FLEXIBLE waterproofing and reflective insulation coating on MW thermal insulation* in accordance with the procedures given in EN 13501-5:2016.

1.2 This classification report consists of 3 pages and may only be used or reproduced in its entirety.

2 DESCRIPTION OF THE ROOF

The roof *with ALPHA FLEXIBLE waterproofing and reflective insulation coating on MW thermal insulation* comprises:

- **ALPHA FLEXIBLE,** waterproofing and reflective insulation coating, coating thickness 400 microns
- **DEKPLAN 76,** roof waterproofing membrane made of softened PVC, thickness 1,5 mm
- **ISOVER T,** thickness 100 mm, bulk density 160 kg/m^3
- **ISOVER S,** thickness 200 mm (2x 100 mm), bulk density 30 kg/m^3
- **Vapor barrier,** lightweight, fully adhesive plastic film for vapor barrier and airtight roof layers, thickness 0,5 mm
- **Standard chipboard base**, thickness 16 mm, bulk density 680 kg/m^3

The top coat is applied directly to the PVC film, which is then screwed to the base plate.

3 REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1 Reports

Name of laboratory **Address** **Accreditation number**	**Name of sponsor**	**Report ref. No.** **Date of issue**	**Test method and date / field of application rules and date**
PAVUS, a.s. *Veselí nad Lužnicí* *ATL No. 1026*	***ALPHA CZECH s.r.o.*** *U Plynárny 348/83* *101 00 Prague – Michle* *Czech Republic*	*Pr-25-2.155-En* *2025-10-06*	*ČSN P CEN/TS 1187:2012 – Test 3*

3.2 Test results

Test conditions:

Test pitch: 5°

Supporting deck: wood particle board deck with gaps of (5.0 ± 0.5) mm between planks

Parameter	Criteria			Test results		Compliance		
	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)
External fire spread time 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 FIELD OF APPLICATION

4.1 Reference

This classification has been carried out in accordance with EN 13501-5.

4.2 Classification

The roof *with ALPHA FLEXIBLE waterproofing and reflective insulation coating on MW thermal insulation* in relation to its external fire performance is classified:

$B_{ROOF}(t3)$

4.3 Field of application

This classification is valid for the following conditions:

Range of pitches: < 10°

Range of decks:

- any wooden continuous deck with a minimum thickness of 12 mm;
- any deck made from wooden planks with plain edges;
- any non-combustible deck with gaps not exceeding 5 mm.

5 LIMITATION

This classification is valid unless the conditions, under which it was issued, have been changed (i.e., until the materials used, the composition or design of the product or the technical regulations relating to the product change).

The sponsor may request the issuing authority to review the influence of changes on the classification validity.

This classification document does not represent type approval or certification of the product.

Elaborated by:	*Reviewed by:*	*Approved by:*
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