REPORT

Issued by an Accredited Testing Laboratory

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Date: 2025-10-22

Reference: O100741-1334525-1

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Classification report for roof coverings exposed to external fire according to EN 13501-5

1 Introduction

This classification report defines the classification assigned to roof covering ” Brannmembran for tak” in accordance with the procedures given in EN 13501-5:2016.

2 Description of the roof covering

2.1 General

The product ” Brannmembran for tak” is defined as a roof covering. Its classification is valid for the following end use application: roof covering.

2.2 Product description

The product, Brannmembran for tak (as described by the sponsor), is fully described below or is fully described in the test reports provided in support of classification listed in Clause 3.1.

According to the client:

The roof covering called “Brannmembran for tak” consists of a E-glass textile core and a BridgeTech™ PU coating. The product has a nominal thickness of 0.56 mm and a nominal area weight of 1000 g/m^2.

3 Test reports & test results in support of classification

3.1 Test reports

This classification is based on the test report listed below:

Name of laboratory	Name of sponsor	Test report ref no	Accredited test method
RISE	Bridgehill AS	O100741-1334525	CEN/TS 1187, test 2

Confidentiality level
C3 - Sensitive

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ISO/IEC 17025

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3.2 Test results

Test conditions: according to CEN/TS 1187:2012, test 2.

Test pitch: 30°.

Substrate: Combustible backing (expanded polystyrene (EPS) having a density of 20 kg/m^3 approximately.

Parameter	Criteria		Test Results					Compliance
	Mean [m]	Max [m]	Spe. 1 [m]	Spe. 2 [m]	Spe. 3 [m]	Mean [m]	Max [m]	
Damaged length at 2 m/s – roof covering	≤0.550	≤0.800	0.205	0.290	0.275	0.257	0.290	Yes
Damaged length at 2 m/s - substrate	≤0.550	≤0.800	0.400	0.425	0.415	0.413	0.425	Yes
Damaged length at 4 m/s – roof covering	≤0.550	≤0.800	0.305	0.310	0.285	0.300	0.310	Yes
Damaged length at 4 m/s - substrate	≤0.550	≤0.800	0.415	0.410	0.375	0.400	0.415	Yes

4. Classification and field of application

4.1 Reference

This classification has been carried out in accordance with EN 13501-5:2016.

4.2 Classification

The roof covering ”Brannmembran for tak” in relation to its external fire performance is classified:

$B_{ROOF}\,(t2)$

4.3 Field of application:

This classification is valid for the following conditions:

- Nominal thickness: 0.56 mm.
- Nominal area weight: 1000 g/m^2.

Range of substrates:

- Combustible and non-combustible substrates, having a density ≥ 15 kg/m^3.

Range of pitches:

- All pitches.

5 Limitations

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

RISE Research Institutes of Sweden AB
Fire and safety - Fire dynamics

Performed by

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Anna Bergstrand

Document ID 09222115557560606532 Signed KK, ab

Verification

Document ID 09222115557560606532

Document

O100741-1334525-1 Bridgehill AS EN 13501-5
Main document
3 pages
Initiated on 2025-10-24 12:32:22 CEST (+0200) by Katarina Krnjic (KK)
Finalised on 2025-10-24 12:38:34 CEST (+0200)

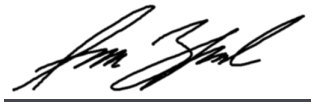
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