REPORT

Issued by an Accredited Testing Laboratory

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2025-10-21

Reference
O100741-1334525

Bridgehill AS
Postboks 2221
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Norge

External Fire Exposure to roof according to CEN/TS 1187, test method 2 with burning brands and wind

(1 appendix)

Introduction

RISE has by request of Bridgehill AS performed a fire test according to CEN/TS 1187 test 2. The purpose of the test is to form a basis for technical fire classification.

Product

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.

Manufacturer

Bridgehill AS, Larvik, Norway.

Sampling

The sample was delivered by the client. It is not known to RISE, Fire and Safety if the product received is representative of the mean production characteristics.

The sample was received September 26, 2025 at RISE, Fire and Safety.

RISE Research Institutes of Sweden AB

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C3 - Sensitive

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Test results

The test results of "Brannmembran for tak", when applied onto a combustible backing (expanded polystyrene (EPS), 20kg/m^3), are given in appendix 2.

The test results relate only to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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

Performed by

Katarina Krnjic

Examined by

Anna Bergstrand

Appendix

1. Test results – CEN/TS 1187, test 2

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Appendix 1

Test results – CEN/TS 1187:2012, test 2

Product

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.

Application

The specimen was laid loosley onto a combustible backing (expanded polystyrene (EPS) having a density of 20 kg/m^3 approximately.

Test results

Test no	1	2	3	Average value	4	5	6	Average value
Air velocity, m/s	2	2	2		4	4	4	
The roof covering was ignited, min:s	00:19	00:23	00:20		00:42	00:45	00:40	
The flames died out, min:s	02:29	02:24	02:30		02:26	01:55	01:50	
The glow died out, min:s	07:37	07:01	07:06		05:35	04:57	05:28	
Fire and glow were extinguished, min:s	-	-	-		-	-	-	
Damage on the surface, mm	205	290	275	257	305	310	285	300
Damage in the underlay, mm	400	425	415	413	415	410	375	400

Measured data

Thickness 0.6 mm approximately.

Area weight 0.8 – 0.9 kg/m^2.

Conditioning

Temperature (23 ± 2) °C.
Relative humidity (50 ± 5) %.

Date of test

October 16, 2025.

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Verification

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Document

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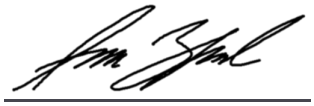
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