

Recticel Insulation Sweden AB

Box 507

332 28 GISLAVED

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 "FATRAFOL 810/V" in accordance with the procedures given in EN 13501-5:2016.

This report replaces RISE report O100609-1141194-1, dated September 21. This revision includes an update of detail of the substrate for the product.

2 Description of the roof covering

2.1 General

The product "FATRAFOL 810/V" is defined as a roof covering. Its classification is valid for the following end use application: Roof covering.

2.2 Product description

According to the client:

Roof covering called "FATRAFOL 810/V" consisting of 92% PVC and 8% PES reinforcement. The product has a nominal area weight of 1.43 kg/m² and a nominal thickness of 1.2 mm.

Roof covering called "FATRAFOL 810/V" consisting of 92% PVC and 8% PES reinforcement. The product has a nominal area weight of 2.39 kg/m² and a nominal thickness of 2.0 mm.

3 Test reports

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	Recticel Insulation Sweden AB	O100609-1141194	CEN/TS 1187 test 2

RISE Research Institutes of Sweden AB

Postal address

Box 857
501 15 BORÅS
SWEDEN

Office location

Brinellgatan 4
504 62 Borås
SWEDEN

Phone / Fax / E-mail

+46 10-516 50 00
+46 33-13 55 02
info@ri.se

Confidentiality level

C3 - Sensitive

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Accred. No. 1002
Testing
ISO/IEC 17025

3.2 Test results

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

Test pitch: 30°.

Substrate: PIR called Eurothane® Silver E with a density of 30 kg/m³.

The product has been tested with two different thicknesses. A complete test series has been performed on the specimen with the thickness that is considered to be worst case.

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	0.530	0.465	0.515	0.503	0.530	Yes
Damaged length at 2 m/s - substrate	≤0.550	≤0.800	0.240	0.300	0.255	0.265	0.300	Yes
Damaged length at 4 m/s – roof covering	≤0.550	≤0.800	0.505	0.415	0.495	0.472	0.505	Yes
Damaged length at 4 m/s - substrate	≤0.550	≤0.800	0.305	0.185	0.240	0.243	0.305	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 "FATRAFOL 810/V" 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: 1.2 – 2.0 mm.
- Nominal area weight 1.43 – 2.39 kg/m².

Range of substrates:

Eurothane[®] Silver E, having a density of 30.0 kg/m³.

Thickness \geq 100 mm

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 - Reaction to Fire Material Lab

Performed by



Henrik Fredriksson

Examined by



Per Thureson

Verification

Transaction 09222115557478019765

Document

1141194-1rev1 Recticel Insulation Sweden AB
Main document
3 pages
Initiated on 2022-09-26 16:12:42 CEST (+0200) by Henrik Fredriksson (HF)
Finalised on 2022-09-26 16:30:38 CEST (+0200)

Signing parties

Henrik Fredriksson (HF)
RISE Research Institutes of Sweden AB
Company reg. no. 556464-6874
henrik.fredriksson@ri.se

Henrik Fredriksson

Signed 2022-09-26 16:14:05 CEST (+0200)

Per Thureson (PT)
RISE Research Institutes of Sweden AB
per.thureson@ri.se

Per Thureson

Signed 2022-09-26 16:30:38 CEST (+0200)

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