

## 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 "Veg Tech Sedummatta Biokol" in accordance with the procedures given in EN 13501-5:2016.

### 2 Description of the roof covering

#### 2.1 General

The product "Veg Tech Sedummatta Biokol" is defined as a roof covering. Its classification is valid for the following end use application: Roof covering.

#### 2.2 Product description

The product, "Veg Tech Sedummatta Biokol", is fully described below.

According to the client:

Roof covering called "Veg Tech Sedummatta Biokol". Cultivated with mineral soil in three-dimensional sling net with underlying non-woven geotextile. The product has a nominal a thickness of 30 mm excluding vegetation.

### 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	Veg Tech AB	9P00702	CEN/TS 1187, test 2

### RISE Research Institutes of Sweden AB

Postal address	Office location	Phone / Fax / E-mail
Box 857 SE-501 15 BORÅS Sweden	Brinellgatan 4 SE-504 62 BORÅS	+46 10 516 50 00 +46 33 13 55 02 info@ri.se

This report may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

### 3.2 Test results

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

Test pitch: 30°.

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	150	130	300	193	300	Yes
Damaged length at 2 m/s - substrate	≤0.550	≤0.800	110	0	40	50	110	Yes
Damaged length at 4 m/s – roof covering	≤0.550	≤0.800	320	270	200	263	320	Yes
Damaged length at 4 m/s - substrate	≤0.550	≤0.800	0	0	20	7	20	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 "Veg Tech Sedummatta Biokol" in relation to its external fire performance is classified:

*B<sub>ROOF</sub> (t2)*

### 4.3 Field of application:

This classification is valid for the following conditions:

- Nominal thickness: 30 mm excluding vegetation.

Range of substrates:

- Combustible and non-combustible substrates, having a density  $\geq 15 \text{ kg/m}^3$

Hence the top layer can be combined with different types of draining layers conforming to the density requirements.

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 Safety - Fire Research Materials**

Performed by

Examined by

Henrik Fredriksson

Per Thureson