

# External Exposure to Fire Classification Report

<b>Name of client:</b>	Sika Services AG		
<b>Product name:</b>	Sikaplan® VG-12 on a substrate of Kingspan TR 26 (PIR)		
<b>File no.:</b>	PCA10846C	<b>NB no.</b>	0845
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<b>Ref:</b>	LIA / RED		

## Client information

Client: Sika Services AG

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The results relate only to the items tested. The report should only be reproduced in extenso - in extracts only with a written agreement with this institute.

## 1. Introduction

This classification report defines the classification assigned to the roof covering "Sikaplan® VG-12" in accordance with the procedures given in EN 13501-5:2016.

## 2. Details of roof covering

### 2.1 Nature and end use application

The roof covering "Sikaplan® VG-12" is defined as a plastic and rubber sheet for roof waterproofing according to EN 13956 "Flexible sheets for waterproofing – Plastic and rubber sheets for roof waterproofing – Definitions and characteristics".

Its classification is valid for the product that in the end use application is laid onto substrates of polyisocyanurate (PIR) foam, coated with composite aluminium foil, cf. 4.3.

### 2.2 Description

The roof covering system "Sikaplan® VG-12" is fully described in the test report in support of the classification listed in 3.1.

## 3. Reports and test results in support of this classification

### 3.1 Reports

Name of laboratory	Name of client	Report ref. No	Test method	Date
DBI	Sika Services AG	PFA12013D	CEN/TS 1187 Test 2	2023-01-11

### 3.2 Test results

Test conditions: Loose laid

Test pitch: 30°

Substrate: Non- standard substrate of 50 mm Kingspan TR 26 (polyisocyanurate (PIR) foam, coated with composite aluminium foil) with a measured weight per unit area of 1.85 kg/m<sup>2</sup>.

Parameter	Criteria		Test results <sup>a</sup>					Compliance Y/N
	Mean	Max	Spe.1	Spe.2	Spe.3	Mean	Max	
Damaged length at 2 m/s – roof covering	≤ 0.550 m	≤ 0.800 m	0.475	0.465	0.435	0.458	0.475	Y
Damaged length at 2 m/s – substrate	≤ 0.550 m	≤ 0.800 m	0.435	0.435	0.395	0.422	0.435	Y
Damaged length at 4 m/s – roof covering	≤ 0.550 m	≤ 0.800 m	0.440	0.440	0.460	0.447	0.460	Y
Damaged length at 4 m/s – substrate	≤ 0.550 m	≤ 0.800 m	0.400	0.385	0.410	0.398	0.410	Y

<sup>a</sup> Not for extended application.

#### 4. Classification and field of application

##### 4.1 Reference of classification

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

##### 4.2 Classification

The roof covering “Sikaplan® VG-12” 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:

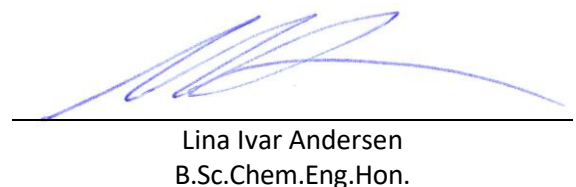
- On any substrate of polyisocyanurate (PIR) foam, coated with composite aluminium foil, with a weight per unit area equal to or greater than 1.4 kg/m<sup>2</sup>

#### 5. Limitations

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



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