

External Exposure to Fire Classification Report

Name of client:	Sika Services AG		
Product name:	Sikaplan® VG-12 an underlying layer of glass felt (120 g/m ²) on a substrate of expanded polystyrene (EPS)		
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Ref:	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 system "Sikaplan® VG-12 on an underlying layer of glass felt (120 g/m²)" in accordance with the procedures given in EN 13501-5:2016.

2. Details of roof covering system

2.1 Nature and end use application

The roof covering system "Sikaplan® VG-12 on an underlying layer of glass felt (120 g/m²)" 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 system that in the end use application is laid onto combustible and non-combustible end-use substrates, cf. 4.3.

2.2 Description

The roof covering system "Sikaplan® VG-12 on an underlying layer of glass felt (120 g/m²)" 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	PFA12013C	CEN/TS 1187 Test 2	2023-01-11

Test results

Test conditions: Loose laid

Test pitch: 30°

Substrate: Standard substrate of expanded polystyrene (EPS) with a measured density of 16.3 kg/m³.

Parameter	Criteria		Test results ^a					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	0.440	0.445	0.420	0.435	0.445	Y
Damaged length at 2 m/s – substrate	≤ 0.550 m	≤ 0.800 m	0.435	0.445	0.420	0.433	0.445	Y
Damaged length at 4 m/s – roof covering	≤ 0.550 m	≤ 0.800 m	0.405	0.435	0.415	0.418	0.435	Y
Damaged length at 4 m/s – substrate	≤ 0.550 m	≤ 0.800 m	0.415	0.455	0.435	0.435	0.455	Y

^a 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 system “Sikaplan® VG-12 an underlying layer of glass felt (120 g/m²)” 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:

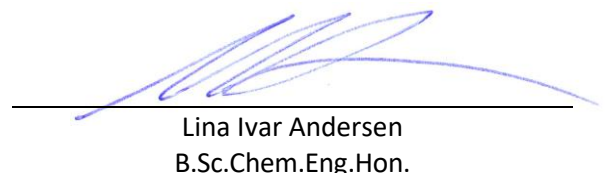
- any combustible and non-combustible substrate with density equal to or greater than 12.5 kg/m³

5. Limitations

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



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