

## CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

Classification no.	2015-Efectis-R000032
Sponsor	Bolidt Kunststoftoepassing B.V. P.O. Box 131 3340 AC HENDRIK-IDO-AMBACHT THE NETHERLANDS
Product name	<b>Esthec Terrace floor covering Without a FR additive</b>
Prepared by	Efectis Nederland BV
Notified body no.	1234
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## 1. INTRODUCTION

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This classification report defines the classification assigned to **Esthec Terrace floor covering, without a FR additive** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

## 2. DETAILS OF CLASSIFIED PRODUCT

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### 2.1 GENERAL

The product, **Esthec Terrace floor covering, without a FR additive**, is defined as a floor covering.

### 2.2 MANUFACTURER

Bolidt Kunststoftoepassing B.V.  
P.O. Box 131  
3340 AC HENDRIK-IDO-AMBACHT  
THE NETHERLANDS

### 2.3 PRODUCT DESCRIPTION

Product description:

- Backing:
- Top layer:
- Clips:

The product panel has a thickness of 20 mm, a width of 100 mm and a mass per unit area of approx. 1.6 kg/m<sup>2</sup>.



Profile **Esthec Terrace** floor covering

### 3. TEST REPORTS & TEST RESULTS IN SUPPORT OF CLASSIFICATION

#### 3.1 TEST REPORTS

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV THE NETHERLANDS	Bolidt Kunststoftoepassing B.V. THE NETHERLANDS	2015-Efectis-R000030 2015-Efectis-R000031	EN ISO 11925-2:2010 EN ISO 9239-1:2010

#### 3.2 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance Parameters
<b>EN ISO 11925-2</b>				
surface flame impingement	$F_s \leq 150$ mm	6	20	-
	Ignition of filter paper		-	Compliant
<b>EN ISO 9239-1</b>				
Length direction	Critical Heat Flux [kW/m <sup>2</sup> ]	3	8.6	-
	Smoke density [%.min]		153	-
Cross direction	Critical Heat Flux [kW/m <sup>2</sup> ]	1	10.9	-
	Smoke density [%.min]		68	-

#### 3.3 CLASSIFICATION CRITERIA

Classification criteria of the Flooring Radiant Panel (FRP) test			
Classification criteria			
Class	$B_{ft}$	$C_{ft}$	$D_{ft}$
Test method(s)			
EN ISO 11925-2 Exposure = 15 s	$F_s \leq 150$ mm within 20 s		
EN ISO 9239-1 Critical flux [kW/m <sup>2</sup> ]	$\geq 8.0$	$\geq 4.5$	$\geq 3.0$
Additional classification			
Smoke production	s1 = $\leq 750\%$ min s2 = $> 750\%$ min s3 = not s1 or s2		

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

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##### 4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007+A1:2009.

##### 4.2 CLASSIFICATION

The product, **Esthec Terrace floor covering, without a FR additive**, in relation to its reaction to fire behaviour is classified:

**B<sub>fl</sub>**

The additional classification in relation to smoke production is:

**s1**

**Reaction to fire classification: B<sub>fl</sub> - s1**

##### 4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	20 mm
Surface density	Approx. 1.6 kg/m <sup>2</sup>
Other properties	Without FR additives

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
Air gap	30 mm
Methods and means of fixing	clipping
Joints	Including joints (air gaps between panels)
Other aspects of end use conditions	Floor covering

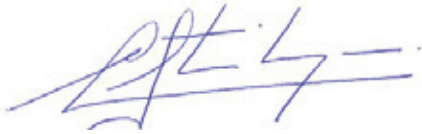
##### 4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

There are no limitations in time on the validity of this report.

## 5. LIMITATIONS

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



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