CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007

Sponsor	Fiberplast BV De Roef 7a 9206 AK Drachten The Netherlands
Prepared by	Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 NL-2280 CB RIJSWIJK The Netherlands
Notified Body no.	1234
Product name	ENVIRODECK flooring series Solid: Types; Cedar Brown and Anthracite Grey
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This classification report consists of five pages and may only be used in its entirety.

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1. Introduction

This classification report defines the classification assigned to ENVIRODECK flooring series Solid: Types; Cedar Brown and Anthracite Grey in accordance with the procedures given in EN 13501-1:2007.

2. Details of classified product

2.1 General

The product, ENVIRODECK flooring series Solid: Types; Cedar Brown and Anthracite Grey, is defined as a flooring system.

2.2 Product description

Solid extruded profile made from a mixture of recycled wood and plastics, composed of:

- 50-53 % recycled wood dust
- 42-45 % recycled HDPE (high density polyurethane)
- 2.5-4% additives: UV stabilizer, AO stabilizer, colour pigments
- Colours: Anthracite grey and cedar brown

The total product has a thickness of approx. 19 mm
Mass per unit area approx. 21.8 kg/m^2

2.3 Manufacturer/Importer

Fiberplast BV
De Roef 7a
9206 AK Drachten
The Netherlands

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	Fiberplast BV The Netherlands	2009-Efectis-R1104 2009-Efectis-R1105	EN ISO 11925-2:2002 EN ISO 9239-1:2002

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	6	25	-
	Ignition of filter paper		-	Compliant
Cedar Brown				
EN ISO 9239-1 (Longitudinal)	Critical Heat Flux [kW/m^2]	3	4.6	-
	Smoke density [%.min]		110.4	-
EN ISO 9239-1 (Cross direction)	Critical Heat Flux [kW/m^2]	1	4.7	-
	Smoke density [%.min]		140.0	-
Anthracite Grey				
EN ISO 9239-1	Critical Heat Flux [kW/m^2]	1	4.6	-
	Smoke density [%.min]		79.4	-

4. Classification and field of application

4.1 Reference of classification

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

4.2 Classification

The product, ENVIRODECK flooring series Solid: Types; Cedar Brown and Anthracite Grey, in relation to its reaction to fire behaviour is classified:

C_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: C_{fl} – s1

4.3 Field of application

This classification is valid for the following product parameters:

- Thickness Approx. 19 mm
- Surface density Approx. 21.8 kg/m^2

This classification is valid for the following end use applications:

- Substrate non-combustible (class A1/A2 according to EN 13501-1)
- Air gap Loose laid or mounted on cross beams
- Methods and means of fixing With metal brackets proving 5-7 mm distance
- Joints Any type of joint

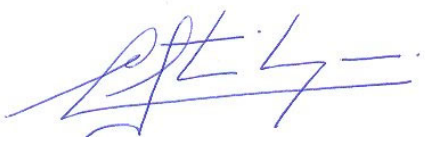
4.4 Duration of the validity of this classification report

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

5. Limitations

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





J.F. Ostenfeldt, M.Sc. Ing. C.C.M. Steinhage

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