

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

Classification no.	2016-Efectis-R001052
Sponsor	Fiberplast BV P.O. Box 525 9200 AM DRACHTEN THE NETHERLANDS
Product name	Envirodeck Mega Floor covering
Prepared by	Efectis Nederland BV
Notified body no.	1234
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1. INTRODUCTION

This classification report defines the classification assigned to **Envirodeck Mega** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Envirodeck Mega**, is defined as a floor covering.

2.2 MANUFACTURER

Fiberplast BV
P.O. Box 525
9200 AM DRACHTEN
THE NETHERLANDS

2.3 PRODUCT DESCRIPTION

Product description:

- 50-53 % recycled wood dust
- 42-45 % recycled HDPE (high density polyurethane)
- 2.5-4% additives: UV stabilizer, AO stabilizer, colour pigments
- Lamella thickness: approx. 7 mm. Open void in middle of profile
- Colours: Coffee Brown
- Joints between planks: 5 mm wide
- Mounted with steel clips to a standard sub construction, width 60 mm, height 40 mm, type FP, material WPC. Distance between floor covering and sub construction: 5 mm



The total product has a thickness of approx. 40 mm
Mass per unit area is approx. 5500 kg/m.

3. STANDARDS, TEST REPORTS & TEST RESULTS IN SUPPORT OF CLASSIFICATION

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2010	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN ISO 9239-1:2010	Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source
EN 13501-1:2007+A1:2009	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests

3.2 TEST REPORTS

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV THE NETHERLANDS	Fiberplast BV THE NETHERLANDS	2016-Efectis-R001050 2016-Efectis-R001051	EN ISO 11925-2:2010 EN ISO 9239-1:2010

3.3 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance Parameters
EN ISO 11925-2 surface flame impingement				
Coffee Brown	Fs ≤150 mm	6	25	-
	Ignition of filter paper		-	Compliant
Sub construction	Fs ≤150 mm	6	25	-
	Ignition of filter paper		-	Compliant
EN ISO 9239-1				
Parallel	Critical Heat Flux [kW/m ²]	3	3.1	-
	Smoke density [%.min]		240	-
Cross	Critical Heat Flux [kW/m ²]	1	9.9	-
	Smoke density [%.min]		22	-

3.4 CLASSIFICATION CRITERIA

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

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+ A1:2009.

4.2 CLASSIFICATION

The product, **Envirodeck Mega**, in relation to its reaction to fire behaviour is classified:

D_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: D_{fl} - s1

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	40 mm
Lineair density	500 kg/m
Colours	Coffee Brown

This classification is valid for the following end use applications:


Substrate	Non-combustible (class A1, ISO 390 and EN 13238: 2010, 1800 ± 200 kg/m ³ - 6 mm)
Air gap	Including a 40 mm air gap
Methods and means of fixing	Mechanically
Joints	Including joints, 5 mm wide
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

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



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