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## Efectis Nederland report

### 2009-Efectis-R1062

Reaction to fire testing of Fiberplast flooring panels; Series Marine: Types Cedar Brown and Anthracite Grey.  
Ignitability test according to EN-ISO 11925-2:2002

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**Product identification:**

Fiberplast flooring panels; Series Marine: Type Cedar Brown and Anthracite Grey

**Abstract:**

Determination of the ignitability properties of the product by direct small flame impingement according to EN-ISO 11925-2: 2002 with the objective the reaction to fire classification according to EN 13501-1.

**Intended application:**

The product will be used as floor covering.

**Manufacturer/importer:**

Fiberplast BV  
De Roef 7a  
9206 AK Drachten  
The Netherlands

**Product description:**

According to the sponsor the product is Series Marine: Type Cedar Brown and Anthracite Grey

- Structural extruded profile made from a mixture of recycled wood and plastics.
- 50-53 % recycled wood dust
- 42-45 % recycled HDPE
- 2.5-4% additives: UV stabilizer, AO stabilizer, colour pigments.
- Lamella thickness 5mm. Open void in middle of profile.
- Colours: Anthracite Grey and Cedar Brown.

The total product has a thickness of approx. 25 mm. Mass per unit area approx. 16.9 kg/m<sup>2</sup>

**Samples:**

Sampling procedure: The samples were submitted by the sponsor.  
Age: According sponsor produced 26<sup>th</sup> May 2009.  
Date of receipt: 22<sup>th</sup> September 2009

**Specimen preparation:**

Substrate used: 6 mm fibre cement board non-combustible (ISO 390 and class A1/A2 according to EN 13238).  
Conditioning: Prior to the examinations, the specimens were conditioned over a period of 1 week at a temperature of (23 ± 2) °C and a relative humidity of (50 ± 5) % according to § 4.1 of EN 13238:2001.

**Examination:**

Number of tests: A total of 6 single ignitability tests were carried out according to EN-ISO 11925-2:2002.

Deviations from the test method: None

Harmonised Product Standard: At the time of examination of the product, the sponsor was not aware of a related existing Harmonised Product Standard.

Date of examination: 12th October 2009

The results are given in Table 1.

Table 1: Ignitability classification parameter results

<b>Flame application time: 15 s</b>					
Sample	Ignition of sample {Y=Yes/N=No}	Maximum flame height [mm]	t <sub>150</sub> [s]	Afterburning time [s]	Ignition of filter paper {Y=Yes/N=No}
<b>Surface ignition</b>					
1L	Y	25	∞ not reached	0	N
2L	Y	25		0	N
3L	Y	25		0	N
4L	Y	25		0	N
5L	Y	25		0	N
6L	Y	25		0	N
Average		<b>25</b>			
Classification parameters		<b>150 mm not reached within 20 s</b>			<b>N</b>

L = Longitudinal direction (worst case)

Observations of physical behaviour of the test specimen: None

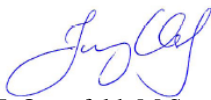
**Conclusions:**

A formal classification is to be assessed in accordance with EN 13501-1, "Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests".

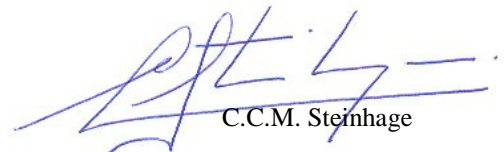
**Remarks:**

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Regarding the precision of the test method, following Annex B of EN-ISO 11925-2 the absolute repeatability/reproducibility for this test method is estimated to lie within 3 s to 5 s for all times measured.



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