

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

Classification no.	2017-Efectis-R000792
Sponsor	Noble Environmental Technologies Corporation 6360 Federal Blvd., Suite A San Diego CA 92114 UNITED STATES
Product name	OCC ECOR board, type No Treatment (Raw)
Prepared by	Efectis Nederland BV
Notified body no.	1234
Author(s)	E.O. van der Laan M.Sc. A.J. Lock
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1. INTRODUCTION

This classification report defines the classification assigned to **OCC ECOR board, type No Treatment (Raw)** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **OCC ECOR board, type No Treatment (Raw)**, is defined as a Ceiling and Wall Panel/Wall Covering.

2.2 MANUFACTURER

Noble Environmental Technologies Corporation
6360 Federal Blvd., Suite A
San Diego CA 92114
UNITED STATES

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- High density compressed molded fiberboard;
- 100 percent made from recycled or waste cellulose fibers;
- Type No Treatment.

The product has a nominal thickness (with dimples) of 2.5 mm and a density of 1067 kg/m³ mass per unit area of approx. 2.6 kg/m².

3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS 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 13823:2010+A1:2014	Reaction to fire tests for building products - Building products, excluding floorings exposed to the thermal attack by a single burning item
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 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	Noble Environmental Technologies Corporation UNITED STATES	2017-Efectis-R000790 2017-Efectis-R000788	EN ISO 11925-2:2010 EN 13823:2014

3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN ISO 11925-2				
surface flame impingement	Fs ≤150 mm	6	24	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement	Fs ≤150 mm	6	31	-
	Ignition of filter paper		-	Compliant
EN 13823				
2.5 [mm]	FIGRA _{0.2MJ} [W/s]	3	512	-
	FIGRA _{0.4MJ} [W/s]		512	-
	THR _{600s} [MJ]		31.2	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		0.0	-
	TSP _{600s} [m ²]		14	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant

3.4 CLASSIFICATION CRITERIA

Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Classification criteria			
Class	B	C	D
Test method(s)			
EN ISO 11925-2 Exposure = 30 s	F _s ≤ 150 mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
EN 13823	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of specimen THR _{600s} ≤ 7.5 MJ	FIGRA _{0.4 MJ} ≤ 250 W/s LFS < edge of specimen THR _{600s} ≤ 15 MJ	FIGRA _{0.4 MJ} ≤ 750 W/s
Additional classification			
Smoke production	s1 = SMOGRA ≤ 30 m ² /s ² and TSP _{600s} ≤ 50 m ² ; s2 = SMOGRA ≤ 180 m ² /s ² and TSP _{600s} ≤ 200 m ² ; s3 = not s1 or s2		
Flaming Droplets/particles	d0 = no flaming droplets/ particles in EN 13823 within 600 s; d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s; d2 = not d0 or d1.		

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2007+A1:2009.

4.2 CLASSIFICATION

The product, **OCC ECOR board, type No Treatment (Raw)**, in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

Reaction to fire classification: D – s1, d0

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters

Thickness	2.5 mm
Density	1067 kg/m ³
Surface density	2.6 kg/m ²
Other properties	No Treatment (Raw)

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
Application	Screwed to ceilings and walls
Air gap	No
Methods and means of fixing	Screwed
Joints	Yes, horizontal and vertical butt joints
Other aspects of end use conditions	Closed surface, no openings or gaps between components

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.



E.O. van der Laan M.Sc.
Project leader reaction to fire



A.J. Lock
Project leader reaction to fire