

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2002

Sponsor	Environmental Seals Ltd Envirograf House Barfrestone, DOVER Kent, CT15 7JG United Kingdom
Prepared by	Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 NL-2280 CB RIJSWIJK The Netherlands
Notified Body no.	1234
Product name	Standard wood particle board (12 mm)- Envirograf product <u>92-ES/VFR</u> coating combination
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This classification report consists of four pages and may only be used in its entirety.

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1. Introduction

This classification report defines the classification assigned to standard wood particle board (12 mm) - Envirograf product 92-ES/VFR coating combination in accordance with the procedures given in EN 13501-1:2002, further called as the “product combination”.

2. Details of classified product

2.1 General

The Envirograf product 92-ES/VFR is defined as a fire protective coating for wood and wood-based products.

2.2 Product combination description

12 mm thick standard particle board coated with two layers of the Envirograf product 92-ES/VFR at 10 m² per litre.

With the EN 13823 tests the product combination was mounted with a 40 mm deep air gap, by using soft wood battens, onto 12 mm standard wood fibre based board.

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports / extended application report nos.	Test method / extended application rules & date
Efectis Nederland	Environmental Seals Ltd. United Kingdom	2006-CVB-R0334	EN ISO 11925-2 + EN 13823

3.2 Test results

Test method & test number	Parameter	No. tests + coating product 92-ES/VFR - 12mm wood particle board combination	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN 13823	FIGRA _{0.2MJ}	3	45 W/s	-
	FIGRA _{0.4MJ}		45 W/s	-

Test method & test number	Parameter	No. tests + coating product 92-ES/VFR - 12 mm particle board combination	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN 13823	THR _{600s}	3	4.9 MJ	-
	LFS <edge		-	Compliant
	SMOGRA		0 m ² /s ²	-
	TSP _{600s}		12 m ²	-
	Flaming debris		-	Compliant
EN-ISO 11925-2 surface flame attack	Fs ≤150 mm	6	44 mm	Compliant
	Ignition of filter paper		-	Compliant
EN-ISO 11925-2 edge flame attack	Fs ≤150 mm	6	30 mm	Compliant
	Ignition of filter paper		-	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 10 of EN 13501-1:2002 respectively with clause 11 of EN 13501-1:2007.

4.2 Classification

The product, standard particle board (12 mm) - **Envirograf product 92-ES/VFR coating combination**, in relation to its reaction to fire behaviour is classified:

B

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: B-s1, d0

4.3 Field of application

This classification is valid only for the following end use application specifications:

as a wall or ceiling panel coating product in combination with the following product parameters:

substrate	Standard wood particle board (EN 312-2-Non-FR)
thickness	Minimum of 12 mm
coating (wet)	Two coating layers, approximately 10 m ² per litre

The classification is valid for the following substrates and air gaps: applied and mounted as described, with an air gap, on a wooden substrate or any non-combustible (A1 or A2) substrate.

5. Limitations

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

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

SIGNED



A.J. Lock

APPROVED



W. Langstraat

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