

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

Classification n°	2013-Efectis-R0147c
Sponsor	Porocom Frekehof 74 NL-2263 KA Leidschendam The Netherlands
Product name	Porocom® Panels
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Notified body n°	1234
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1. INTRODUCTION

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

2. DETAILS OF CLASSIFIED PRODUCT

2.1. GENERAL

The product, **Porocom® Panels**, is defined as a ceiling or wall covering.

2.2. PRODUCT DESCRIPTION

According to the sponsor the product is from inside out composed of:

- Rockwool 504 insulation, with a thickness of 40 mm and a density of approx. 140 kg/m³;
- Steel mesh, with a thread thickness of 1.5 mm, with gaps of 10 x 10 mm;
- Blown clay granules, type LIAPOR 8/16 mm, with a total thickness of approx. 25 mm and a density of approx. 350 kg/m³, beaded in an epoxy based binder of approx. 1.5 kg/m²;
- Coated with fire retardant coating type Hensotherm, approx. 800 gr/m².

The product has a total thickness of 65 mm and a mass per unit area of approx. 14 kg/m².

2.3. MANUFACTURER/IMPORTER

Porocom
Frekehof 74
NL-2263 KA Leidschendam
The Netherlands

3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

3.1. REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV The Netherlands	Porocom The Netherlands	2013-Efectis-R0147a 2013-Efectis-R0147b	EN ISO 11925-2:2010 EN 13823:2010

3.2. 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	26	-
	Ignition of filter paper		-	Compliant
Edge flame impingement	Fs ≤150 mm	6	20	-
	Ignition of filter paper		-	Compliant
Side flame impingement	Fs ≤150 mm	6	37	-
	Ignition of filter paper		-	Compliant
EN 13823				
Porocom® Panels	FIGRA0.2MJ [W/s]	3	48	-
	FIGRA0.4MJ [W/s]		40	-
	THR600s [MJ]		4.4	-
	LFS < edge		-	Compliant
	SMOGRA [m2/s2]		5.6	-
	TSP600s [m2]		38	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

3.3. CLASSIFICATION CRITERIA

Classification criteria of the Single Burning Item (SBI) test			
Class	Fire	Class	Smoke
A2	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of the long wing specimen THR _{600s} ≤ 7,5 MJ	s1	SMOGRA ≤ 30 m ² /s ² TSP _{600s} ≤ 50 m ²
B	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of the long wing specimen THR _{600s} ≤ 7,5 MJ	s2	SMOGRA ≤ 180 m ² /s ² TSP _{600s} ≤ 200 m ²
C	FIGRA _{0.4 MJ} ≤ 250 W/s LFS < edge of the long wing specimen THR _{600s} ≤ 15 MJ	Class	Droplets
		d0	No flaming droplets/particles
		d1	Flaming droplets/particles < 10 s
D	FIGRA ≤ 750 W/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, **Porocom® Panels**, 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 for the following product parameters:

Thickness clay granules w. binder	Approx. 25 mm
Thickness total product	Approx. 65 mm
Surface density	Approx. 14 kg/m ²

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
Air gap	None
Joints	None
Other aspects of end use conditions	Coated with fire retardant coating type Hensotherm

4.4. DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

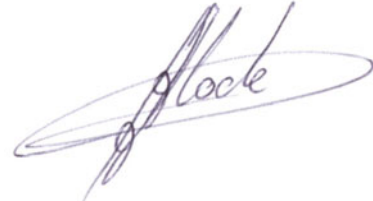
There are no limitations in time on the validity of this report.

5. LIMITATIONS

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



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