

## CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2021-Efectis-R001813
Sponsor	Recoat BV Schaafdries 12 5371 NJ RAVENSTEIN THE NETHERLANDS
Product name	<b>Recoat Floor</b>
Prepared by	Efectis Nederland BV
Notified body no.	1234
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Project number	ENL-21-001318
Date of issue	January 2022
Number of pages	5

## 1. INTRODUCTION

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This classification report defines the classification assigned to **Recoat Floor** in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

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### 2.1 GENERAL

The product, **Recoat Floor**, will be used as anti-slip floor coating.

### 2.2 MANUFACTURER

Recoat BV  
Schaafdries 12  
5371 NJ RAVENSTEIN  
THE NETHERLANDS

### 2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- Transparent one component water borne primer, reference Recoat Multi Primer, wet layer of thickness of  $70 \pm 10$  micron, resulting in a dry layer thickness of  $30 \pm 5$  micron, with a specific dry density of  $1090 \text{ kg/m}^3$  and a mass per surface area of  $15\text{-}20 \text{ m}^2$  per litre;
- Transparent two component water borne topcoat, reference Recoat (2K) Floor, wet layer of thickness of  $65 \pm 10$  micron, resulting in a dry layer thickness of  $30 \pm 5$  micron, with a specific dry density of  $1250 \text{ kg/m}^3$  and a mass surface area of  $10\text{-}15 \text{ m}^2$  per litre; the mixing ratio of the Recoat Base and the Recoat hardener is 4:1.

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

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### 3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	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 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	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	Recoat BV THE NETHERLANDS	2021-Efectis-R001811 2021-Efectis-R001812	EN ISO 11925-2:2020 EN ISO 9239-1:2010

### 3.3 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance Parameters
EN ISO 11925-2				
surface flame impingement	Fs ≤150 mm	6	15	-
	Ignition of filter paper		-	Compliant

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance Parameters
EN ISO 9239-1				
	Critical Heat Flux [kW/m2]	3	15	-
	Smoke density [%.min]		10	-

### 3.4 CLASSIFICATION CRITERIA

Classification criteria of the Flooring Radiant Panel (FRP) test			
Classification criteria			
Class Test method(s)	B <sub>fl</sub>	C <sub>fl</sub>	D <sub>fl</sub>
<b>EN ISO 11925-2</b> Exposure = 15 s	F <sub>s</sub> ≤ 150 mm within 20 s		
<b>EN ISO 9239-1</b> Critical flux [kW/m <sup>2</sup> ]	≥ 8.0	≥ 4.5	≥ 3.0
Additional classification			
Smoke production	s1 = ≤ 750% min s2 = > 750% min		

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 12 of EN 13501-1:2018.

##### 4.2 CLASSIFICATION

The product, **Recoat Floor**, in relation to its reaction to fire behaviour is classified:

**B<sub>fl</sub>**

The additional classification in relation to smoke production is:

**s1**

**Reaction to fire classification: B<sub>fl</sub> - s1**

##### 4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	Total dry layer: 60 ± 10 micron Total wet applied layer: 135 ± 20 micron
Surface density	Primer layer: 15-20 m <sup>2</sup> per litre Topcoat layer: 10-15 m <sup>2</sup> per litre
Other properties	Primer layer: Recoat Multi Primer Topcoat layer : Recoat (2K) Floor (2 component coat with a mixing ratio of 4:1)

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 <sup>3</sup> – 6 mm)
Air gap	N.A.
Methods and means of fixing	Applied on the substrate with a roller
Joints	N.A.
Other aspects of end use conditions	Closed surface, no openings or gaps between components

##### 4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

## 5. LIMITATIONS

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



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