

## Reaction to fire testing of Recoat Floor Ignitability test according to EN ISO 11925-2:2020

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Notified body no.	1234
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## 1. PRODUCT IDENTIFICATION

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**Recoat Floor**, further referred to as 'the product'.

## 2. ABSTRACT

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Determination of the **ignitability** properties of the product, by **direct small flame impingement** according to EN ISO 11925-2:2020, with the objective to obtain the reaction to fire classification according to EN 13501-1:2018.

## 3. DETAILS OF THE PRODUCT TESTED

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### 3.1 INTENDED APPLICATION

The product will be used as anti-slip floor coating.

### 3.2 MANUFACTURER

Recoat BV  
Schaafdries 12  
5371 NJ RAVENSTEIN  
THE NETHERLANDS

### 3.3 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.

## 4. DETAILS OF THE EXAMINATION

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### 4.1 SAMPLES

Sampling procedure	The samples were submitted by the sponsor. The specimens were prepared and submitted by the sponsor.
Age	At the time of receipt: no information received.
Date of receipt	December 14 <sup>th</sup> ,2021

#### 4.2 SPECIMEN PREPARATION

Substrate used	6 mm fibre cement board non-combustible (ISO 390 and class A1/A2 according to EN 13238:2010)
Method of fixing	Applied on the substrate with a roller

#### 4.3 CONDITIONING

Prior to the examinations, the specimens were conditioned until constant mass achieved at a temperature of  $(23 \pm 2)$  °C and a relative humidity of  $(50 \pm 5)$  % according to § 4.1 of EN 13238.

#### 4.4 EXAMINATION

Number of tests	A total of six single ignitability tests were carried out according to EN ISO 11925-2.
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	December 20 <sup>th</sup> , 2021
Location of examination	Efectis Nederland BV, Bleiswijk, The Netherlands
Performed by	LEG

The results are given in Table 1, Appendix: Results.

### 5. CONCLUSIONS

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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.

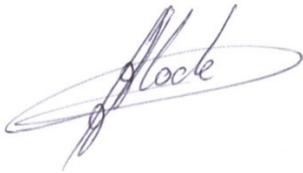
Regarding the precision of the test method, following Annex B of EN ISO 11925-2, the absolute repeatability/reproducibility for this test method is estimated to lie within 3 s to 5 s for all times measured.



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B.R. Knottnerus B.Sc.  
Project leader Reaction to Fire



A.J. Lock  
Manager Testing Reaction to Fire

**APPENDIX: RESULTS**

Table 1: Ignitability classification parameter results

<b>Flame application time: 30 s</b>					
Sample	Ignition of sample	Maximum flame Height	t <sub>150</sub>	Afterburning time	Ignition of filter paper
	{Y=Yes/N=No}	[mm]	[s]	[s]	{Y=Yes/N=No}
<b>Surface ignition</b>					
1	N	15	not reached	-	N
2	N	15		-	N
3	N	15		-	N
4	N	15		-	N
5	N	15		-	N
6	N	15		-	N
Maximum		15			
Classification parameters		<b>150 mm reached within 60 s</b>			<b>N</b>
		<b>Ignition of filter paper</b>			<b>N</b>

Observations of physical behaviour of the test specimen: None.