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## TEST REPORT

15 January 2020

### Sample Information

Sample name	CERATouch
Sample reception	12/12/2019
Sample no.	392-2019-00527401
Analysis period	12/12/2019 - 15/01/2020
Client reference	BVVMPT190177-02

### Results

**392-2019-00527401 (CERATouch)- Please see reports attached**



Gitte T. Löwenstein  
Analytical Service Manager

## **Classification Report**

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

<b>Sponsor</b>	Eurofins Product Testing A/S Smedeskovvej 38, 8464 Galten, Denmark
<b>Manufacturer:</b>	US Floors International Textielstraat 20, 8790 Waregem, Belgium
<b>Prepared by</b>	<b>Ghent University - Centre for Textile Science and Engineering</b> <b>Technologiepark 70A, 9052 Zwijnaarde, Belgium</b>
<b>Notified Body N°</b>	<b>1611</b>
<b>Product Name</b>	<b>Stone CeraTouch</b> (as given by the sponsor)
<b>Report N° / Issue N°</b>	CR 19-1307-01
<b>Date of issue</b>	14.01.2020

#### **1. Introduction**

This classification report defines the classification assigned to Stone CeraTouch, in accordance with the procedures given in EN 13501-1:2018

#### **2. Details of classified product**

##### **2.1 General**

The product Stone CeraTouch is defined as being suitable for floor covering applications.

##### **2.2 Product description**

The product, Stone CeraTouch is described below and in the test report(s) listed in Clause 3.1.

Product description	MMGO Flooring
Composition of use-surface	Melamine Paper
Composition of backing layer	Cork
Flame retardant treatment	No

### 3. Reports and Results in support of Classification

#### 3.1 Test reports

Name of test laboratory	Name of sponsor	Test report number	Test method
Ghent University - Centre for Textile Science and Engineering	Eurofins Product Testing A/S	19-1307-01	EN ISO 9239-1
Ghent University - Centre for Textile Science and Engineering	Eurofins Product Testing A/S	19-1307-01	EN ISO 11925-2

#### 3.2 Test results

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	3	≥11	B <sub>fl</sub>
	Smoke (%.min)		6	s1
EN ISO 11925-2	F <sub>s</sub>	6	Pass	Pass

### 4. Classification and field of application

#### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018

#### 4.2 Classification

The product, Stone CeraTouch, in relation to its reaction to fire behavior is classified: **B<sub>fl</sub>**

The additional classification in relation to smoke production is: **s1**

Therefore, taking into account the limitations given in §5:

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

### 4.3 Field of application

This classification is valid for the following product parameters:

Total mass (kg/m <sup>2</sup> )	11.000 g/m <sup>2</sup> use-surface	200 g/m <sup>2</sup> backing
Total thickness (mm)	8,0 mm use-surface	1,0 mm backing

This classification is valid for the following end use applications:

Deposition method	Loose Lay
Substrates	Euroclass A2
Joints	Valinge Lock System
Other aspects of end use conditions	-

### 5. Limitations

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

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

The manufacturer declares that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitations 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.



Johanna Louwagie  
Head of certification



Prof. Dr. Paul KIEKENS, dr. h. c.  
Director



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**date**  
14/01/2020

## TEST REPORT 19-1307-01

### Samples received :

<b>Name</b>	<b>Date of receipt</b>
Stone CeraTouch	16/12/2019

### Aim of the test :

Determination of the fire behaviour

### Test conditions :

#### **Small flame test**

Standard:

**ISO 11925-2 (2010 + AC 2011)\***

Method:

The use surface of a vertically put specimen placed (loose laid) on a fibre cement board (according to EN 13238) is ignited by a propane gas flame. Under condition of a surface flame attack with 15 s exposure time, there shall be no flame spread in excess of 150 mm vertically from the point of the test flame within 20 s from the time application.

If the boundary line is not reached within 20 s, the sample meets the requirements for the class E<sub>fl</sub>.

Number of tests: 3 lengthwise and 3 crosswise

Conditioning 23 ± 2 °C and 50 ± 5 % R.H.

samples:

## Fire Behaviour

Standard: **EN ISO 9239-1 (2010)\***

Method: Before the test the samples are **not cleaned**.

A floorcovering is put on (**loose laid**) a fibre cement board (according to EN 13238). During the test, the specimen is irradiated by a gas radiator at an angle of 30°. A small flame is used to ignite the specimen. The specimen is ignited during 10 minutes. In case of inflammable specimens, the test lasts until the flame is extinguished, but 30 minutes at the most. The criterion is the burned length, from which the critical radiant flux is deduced using a calibration curve.

Number of tests: 4

Conditioning 23 ± 2 °C and 50 ± 5 % R.H.

samples:

The tests were finished in week 2/2020.

## OBTAINED RESULTS

### Small flame test

Ignition time : 15 s

#### Lengthwise

Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	15	-	no
2	15	-	no
3	15	-	no

#### Crosswise

Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	15	-	no
2	15	-	no
3	15	-	no

## Fire behaviour

Specimen number	1 Length	2 Width	3 Length	4 Length	Average Specimens 1,3,4
Flame spread after 10 min (mm)	40	40	40	40	
Flame spread after 20 min (mm)	40	40	40	40	
Flame spread after 30 min (mm)	40	40	40	40	
Flame spread at extinction (mm)	40	40	40	40	
Flame time	12min 0s	12min 0s	12min 0s	12min 0s	
Critical heat flux CHF at extinction (kW/m <sup>2</sup> )	11.1	11.1	11.1	11.1	≥11
Total smoke production at end of test (%.min)	6	4	9	4	6



Didier Van Daele  
Head of Floor covering and Fire Tests



Prof. Dr. Paul KIEKENS, dr. h. c.  
Director

## **ENCLOSURE TO REPORT 19-1307-01**

**Classification according to EN 13501-1**

**Warning: this statement cannot be used for CE labelling purposes**

<b>Classification</b>	<b>EN ISO 11925-2 (ignition time = 15 s)</b>	<b>EN ISO 9239-1 (test period = 30 min)</b>	<b>CLASS</b>
B <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m <sup>2</sup>	<b>X</b>
C <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m <sup>2</sup>	
D <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m <sup>2</sup>	
E <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	No demand	
F <sub>fl</sub>	No demand	No demand	

**Additional classification smoke development**

		<b>CLASS</b>
Smoke development ≤ 750%.min	s1	<b>X</b>
Smoke development > 750%.min	s2	





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14/01/2020

## TEST REPORT 19-1307-02

### Samples received :

<b>Name</b>	<b>Date of receipt</b>
Stone CeraTouch	16/12/2019

### Aim of the test :

Determination of the dynamic friction

### Test conditions :

#### **Dynamic friction of floorcoverings**

Standard: EN 13893 (2002)

Method: Appliance GMG 100.

Two leather and 1 rubber sole are attached to the GMG 100. The appliance is pulled over the sample at a constant speed. The horizontal force needed is registered. The dynamic friction coefficient is determined by dividing the horizontal force by the vertical force.

Number of tests: 3 in each direction

Test conditions:  $20 \pm 2$  °C and  $65 \pm 4\%$  relative humidity

The tests were finished in week 2/2020.

**OBTAINED RESULTS**

**Dynamic coefficient of friction ( $\mu$ ) EN 13893**

<b>REF: Stone CeraTouch (8mm)</b>		
Measurement	Direction of production	Perpendicular to the direction of production
1	0.48	0.50
2	0.48	0.48
3	0.47	0.48
<b>Mean value</b>	<b>0.48</b>	<b>0.49</b>



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