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CLASSIFICATION

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

Classification no.	2018-Efectis-R000910[Rev.1]
Sponsor	PPG Coatings Nederland B.V.
	Amsterdamseweg 14
	1422 AD UITHOORN
	The Netherlands
Product name	**Sigmafix Universal Primer + 2 x Sigmatex Superlatex Matt**
Prepared by	Efectis Nederland BV
Notified body no.	1234
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CLASSIFICATION

1. INTRODUCTION

1.1 PRODUCT NAME

This classification report defines the classification assigned to **Sigmafix Universal Primer + 2 x Sigmatex Superlatex Matt** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

1.2 REVISION INFORMATION

Under responsibility of the sponsor erroneously supplied product data were revised.
Original date of issue: May 2018

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, paint system **Sigmafix Universal Primer + 2 x Sigmatex Superlatex Matt**, is defined as a ceiling or wall covering (paint).

2.2 MANUFACTURER

PPG Coatings Nederland B.V.
Amsterdamseweg 14
1422 AD UITHOORN
The Netherlands

2.3 PRODUCT DESCRIPTION

Product description:
Wall paint primer based on an acrylic resin and wall paint based on a vinyl resin.

Sigmafix Universal Primer
- has a density of approx. 1.0 kg/dm^3
- is painted in one layer
- with a consumption of approx. 125 g/m^2
- as the primer will be absorbed by the substrate, layer thickness is not measurable

Sigmatex Superlatex Matt:
- has a density of approx. 1.4 kg/dm^3
- is painted in two layers
- with a total consumption of approx. 275 g/m^2
- in a layer thickness of approx. 70 µm

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

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2010   Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test

EN 13823:2010+A1:2014   Reaction to fire tests for building products - Building products, excluding floorings exposed to the thermal attack by a single burning item

EN 13501-1:2007 +A1:2009   Fire classification of construction products and building elements
Part 1: Classification using data from reaction to fire tests

3.2 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	PPG Coatings Nederland B.V.	2018-Efectis-R000904[Rev.1] 2018-Efectis-R000907[Rev.1]	EN ISO 11925-2:2010 EN 13823:2014

3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance with parameters
EN ISO 11925-2				
surface flame impingement	Fs ≤150 mm	6	30	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement	Fs ≤150 mm	6	30	-
	Ignition of filter paper		-	Compliant

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN 13823				
	$FIGRA_{0.2MJ}$ [W/s]		0	-
	$FIGRA_{0.4MJ}$ [W/s]		0	-
	THR_{600s} [MJ]		0.8	-
	LFS < edge		-	Compliant
	SMOGRA [m^2/s^2]	3	0.0	-
	TSP_{600s} [m^2]		34	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant

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3.4 CLASSIFICATION CRITERIA

Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Classification criteria			
Class Test method(s)	**B**	**C**	**D**
EN ISO 11925-2 Exposure = 30 s	$F_s \le 150$ mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
EN 13823	$FIGRA_{0.2 MJ} \le 120$ W/s LFS < edge of specimen $THR_{600s} \le 7.5$ MJ	$FIGRA_{0.4 MJ} \le 250$ W/s LFS < edge of specimen $THR_{600s} \le 15$ MJ	$FIGRA_{0.4 MJ} \le 750$ W/s
Additional classification			
Smoke production	**s1** = SMOGRA ≤ 30 m^2/s^2 and $TSP_{600s} \le 50$ m^2 ; **s2** = SMOGRA ≤ 180 m^2/s^2 and $TSP_{600s} \le 200$ m^2; **s3** = not s1 or s2		
Flaming Droplets/particles	**d0** = no flaming droplets/ particles in EN 13823 within 600 s; **d1** = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 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, **Sigmafix Universal Primer + 2 x Sigmatex Superlatex Matt**, 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

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4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Sigmafix Universal Primer

Thickness	As the primer will be absorbed by the substrate, layer thickness is not measurable
Density	Approx. 1.0 kg/dm^3
Other properties	Total consumption of approx. 125 g/m^2

Sigmatex Superlatex Matt

Thickness	Two layers of in total approx. 70 µm
Surface density	Approx. 1.4 kg/dm^3
Other properties	Total consumption of approx. 275 g/m^2

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
Methods and means of application (wall & ceilings)	Brush, roller and spray

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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Project leader reaction to fire

A.J. Lock
Project leader reaction to fire