

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

Classification no.	2015-Efectis-R000163
Sponsor	Vescom BV P.O. Box 70 5750 AB DEURNE THE NETHERLANDS
Product name	<b>AIRTEX<sup>®</sup> magic FR duo wall covering</b>
Prepared by	Efectis Nederland BV
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## 1. INTRODUCTION

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This classification report defines the classification assigned to **AIRTEX® magic FR duo wall covering** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

## 2. DETAILS OF CLASSIFIED PRODUCT

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### 2.1 GENERAL

The product, **AIRTEX® magic FR duo wall covering**, is defined as a wall covering.

### 2.2 MANUFACTURER

Mehler Texnologies GmbH  
Edelzeller Straße 44  
36043 Fulda  
GERMANY

### 2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:  
PVC coated PES  
Total mass: 350 g/m<sup>2</sup>

See test reports for detailed specification of the product.

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

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### 3.1 STANDARDS

EN 15102:2007 - Decorative wall coverings - Roll and panel form products

### 3.2 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	Vescom BV Nederland	2015-Efectis-R000161 2015-Efectis-R000162	EN ISO 11925-2:2010 EN 13823:2014

### 3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
<b>EN ISO 11925-2</b>				
surface flame impingement	$F_s \leq 150$ mm	6	52	-
	Ignition of filter paper		-	Compliant
Edge flame impingement	$F_s \leq 150$ mm	6	53	-
	Ignition of filter paper		-	Compliant
<b>EN 13823</b>				
	FIGRA <sub>0,2MJ</sub> [W/s]	3	101	-
	FIGRA <sub>0,4MJ</sub> [W/s]		62	-
	THR <sub>600s</sub> [MJ]		1.9	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		107	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		169	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

### 3.4 CLASSIFICATION CRITERIA


Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Classification criteria			
Class	B	C	D
Test method(s)			
EN ISO 11925-2 Exposure = 30 s	$F_s \leq 150$ mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
EN 13823	FIGRA <sub>0,2 MJ</sub> ≤ 120 W/s LFS < edge of specimen THR <sub>600s</sub> ≤ 7.5 MJ	FIGRA <sub>0,4 MJ</sub> ≤ 250 W/s LFS < edge of specimen THR <sub>600s</sub> ≤ 15 MJ	FIGRA <sub>0,4 MJ</sub> ≤ 750 W/s
Additional classification			
Smoke production	s1 = SMOGRA ≤ 30 m <sup>2</sup> /s <sup>2</sup> and TSP <sub>600s</sub> ≤ 50 m <sup>2</sup> ; s2 = SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> and TSP <sub>600s</sub> ≤ 200 m <sup>2</sup> ; 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.		



## 5. LIMITATIONS

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



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