

## CLASSIFICATION REPORT OF REACTION TO FIRE n° EFR-16-002239 A

### 1. INTRODUCTION

This classification report defines the classification assigned to Polyester Fleece thermally bonded and glued and fabric with fire-retardant treatment referenced VICLOUD 100 PREMIUM in accordance with the procedures given in EN 13501-1:2007 + A1:2009.

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

<b>Sponsor :</b>	VISOUND ACÚSTICA, S.A. Rua Quita do Bom Retiro, n°16, Armazém 9 2820-690 Charneca da Caparica Portugal
<b>Prepared by:</b>	EFFECTIS France
<b>Notified Body No.:</b>	1812
<b>Product name:</b>	Polyester Fleece thermally bonded and glued and fabric with fire-retardant treatment referenced VICLOUD 100 PREMIUM
<b>Classification report No.:</b>	EFR-16-002239 A
<b>Issue number:</b>	1
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### 2. DETAILS OF CLASSIFIED PRODUCT

#### 2.1. GENERAL

The product, Polyester Fleece thermally bonded and glued and fabric with fire-retardant treatment referenced VICLOUD 100 PREMIUM, is defined as a "Suspended ceilings – Requirements and test methods, NF EN 13964: 2014".

#### 2.2. PRODUCT DESCRIPTION

The product, Polyester Fleece thermally bonded and glued and fabric with fire-retardant treatment referenced VICLOUD 100 PREMIUM, is described below or is described in the reports provided in support of classification listed in 3.1.

Product description :	
Composition	Polyester Fleece, glue referenced LORFLEX 6420 composed by Aliphatic Solvent, Ketones, Synthetic Polymers, Natural resins, Hydrocarbon resins and Stabilizers and fabric composed by polyester
<u>Thickness :</u>	
Product :	25 mm
Polyester fleece :	24 mm
Glue :	0.05 mm
Fabric :	0.05 mm
<u>Mass per unit area/Density :</u>	
Product :	1,8 kg/m <sup>2</sup> - 72 kg/m <sup>3</sup>
Polyester fleece :	71,7 kg/m <sup>3</sup>
Glue :	1.15 g/cm <sup>3</sup>
Fabric :	170 g/m <sup>2</sup>
<u>Color :</u>	
Polyester fleece :	White
Fabric :	Black

### 3. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

#### 3.1. REPORTS

Name of Laboratory	Name of sponsor	Report ref. no	Test method and date field of application rules and date
EFFECTIS FRANCE	Visound Acústica, S.A.	EFR-16-SBI-002239 A	NF EN 13823+A1 : 2015
EFFECTIS FRANCE	Visound Acústica, S.A.	EFR-16-SF-002239 A	NF EN ISO 11925-2 : 2013

#### 3.2. RESULTS

Test method and test number	Parameter	No. Tests <sup>a)</sup>	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EFR-16-SBI-002239 A NF EN 13823+A1 : 2015	FIGRA <sub>0,2 MJ</sub> (W/s)	3 tests fire on fabric side	30.4	-
	FIGRA <sub>0,4 MJ</sub> (W/s)		30.4	-
	THR <sub>600</sub> (MJ)		3.2	-
	LFS		-	Compliant

	SMOGRA		4.4	-
	TSP <sub>600</sub> (m <sup>2</sup> )		59.0	-
	Flaming droplets or debris		-	Compliant
EFR-16-SF-002239 A NF EN ISO 11925-2 : 2013	Fs	6 tests « 30 s edge exposure » on fabric side	-	Compliant
	Filter paper	and 6 tests « 30 s surface exposure » on fabric side	-	Compliant
a) Not for extended application (-) means: not applicable				

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with EN 13501-1:2007 + A1:2009.

##### 4.2. CLASSIFICATION

The product, Polyester Fleece thermally bonded and glued and fabric with fire-retardant treatment referenced VICLOUD 100 PREMIUM, in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
<b>B</b>	-	<b>s</b>	<b>2</b>	,	<b>d</b>	<b>0</b>

i.e. **B – s2, d0**

**Reaction to fire classification: B-s2,d0**

#### 4.3. FIELD OF APPLICATION

This classification is valid for the following product parameters :

- The product described in paragraph 2.
- Any fabric colors.

The classification is valid for the following end use applications:

- On substrate with a minimum density of 1345,5 kg/m<sup>3</sup> with an A1 or A2-s1,d0 reaction to fire classification.
- With an air gap  $\geq$  40 mm.
- Fire side: on fabric side.

#### 5. LIMITATIONS

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

"The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation 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.

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

**SIGNED**

**APPROVED**



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