



*le futur en construction*

**SAFETY, STRUCTURES AND FIRE DEPARTMENT**

Reaction to Fire

# **REACTION TO FIRE CLASSIFICATION REPORT**

## **No. RA15-0217**

### **ACCORDING TO THE EUROPEAN STANDARD**

### **NF EN 13501-1+A1:2013**

**Provided the Ordinance from the Ministry of the interior, November 21, 2002 modified**  
**Pilot laboratory approved by the Ministry of the Interior (Ordinance of February 5, 1959, modified)**

**Seule la version française fait foi**  
**Only the French version is legally acceptable**

**Valid 5 years from September 16<sup>th</sup>, 2015**

**Owner:** **SERGE FERRARI**  
**Zone Industrielle**  
**38110 LA TOUR DU PIN**  
**FRANCE**

**Commercial brand(s):** **PRECONTRAIN 502**

**Brief description:** **Coated fabric for a textile architecture application**  
(see detailed description in paragraph 2)

**Date of issue:** **September 16<sup>th</sup>, 2015**

This classification report certifies only the characteristics of the object submitted for testing but does not prejudice the characteristics of similar products. So it does not constitute a product certification in the sense of Articles L 115-27 to L 115-33 and R 115-1 to R 115-3 of the Consumer Code.

If this report is being issued by e-mail and/or on an electronic medium, only the hard copy of the report signed by CSTB shall prevail in the event of a dispute.

The reproduction of this classification report is only authorised in its integral form.

It comprises 4 pages.

**CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT**

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## **1. Introduction**

This classification report defines the classification assigned to the above-mentioned product(s) in accordance with the procedures given in the NF EN 13501-1+A1:2013 standard.

## **2. Product description**

Coated fabric for a textile architecture application.

Fabric consisting of a 100 % polyester fibres backing coated on both sides with fire retarded polyvinyl chloride.

Overall nominal thickness:  $0.47 \text{ mm} \pm 10 \%$ .

Overall nominal weight per unit area:  $590 \text{ g/m}^2 \pm 5 \%$ .

Nominal weight per unit area of the polyester mesh:  $165 \text{ g/m}^2 \pm 10 \%$ .

Colours: various.

### 3. Tests reports and tests results in support of this classification

#### 3.1 Tests reports

Name of laboratory	Name of sponsor	Test identification	Test report No.	Test method
<b>CSTB</b>	<b>SERGE FERRARI Zone Industrielle 38110 LA TOUR DU PIN FRANCE</b>	<b>ES541150384</b>	RA15-0217	NF EN ISO 11925-2:2013 NF EN 13823+A1:2015

#### 3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
NF EN ISO 11925-2 30s surface exposure	PRECONTRAI NT 502	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure	PRECONTRAI NT 502	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823	PRECONTRAI NT 502	3	FIGRA <sub>0.2MJ</sub> (W/s)	<b>21.4</b>	-
			FIGRA <sub>0.4MJ</sub> (W/s)	<b>0.0</b>	-
			LFS THR <sub>600s</sub> (MJ)	- <b>0.7</b>	<b>Not reached</b> -
			SMO GRA(m <sup>2</sup> /s <sup>2</sup> ) TSP <sub>600s</sub> (m <sup>2</sup> )	<b>65.3</b> <b>85.7</b>	- -
			Flaming droplets or debris	-	<b>None</b>

(-) means: not applicable



**4. Classification and direct field of application**

**4.1 Reference of the classification**

This classification has been carried out in accordance with clauses 11.6, 11.9.3 and 11.10.1 of the NF EN 13501-1+A1:2013 standard.

**4.2 Classification**

Fire behaviour		Smoke production		Flaming droplets or debris
<b>B</b>	-	<b>s2</b>	,	<b>d0</b>

**Classification: B - s2, d0**

**4.3 Field of application**

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- An overall nominal thickness of 0.47 mm ± 10 %.
- An overall nominal weight per unit area of 590 g/m<sup>2</sup> ± 5 %.
- A nominal weight per unit area of the polyester mesh of 165 g/m<sup>2</sup> ± 10 %.
- Various colours.

This classification is valid for the following end use conditions:

- Without substrate or with any A1 or A2-s1,d0 class substrate with a density ≥ 652 kg/m<sup>3</sup> and with a thickness ≥ 9 mm.
- With a minimum air gap of 80 mm.

**5. Limitation**

The present document does not represent type approval or certification of the product.

Champs-sur-Marne, September 16<sup>th</sup>, 2015

**The Technician  
Responsible for the test**



**Maxime BAUER**

**The Head of Reaction to Fire  
Unit**



**Gildas CREACH**

.....END OF THE CLASSIFICATION REPORT