



**SAFETY, STRUCTURES AND FIRE DEPARTMENT**  
**Reaction to fire**

## **REACTION TO FIRE CLASSIFICATION REPORT** **No. RA05-0316** **ACCORDING TO THE EUROPEAN STANDARD** **NF EN 13501-1**

Provided the Ordinance from the Ministry of the interior, November 21, 2002.  
Pilot laboratory approved by the Ministry of the Interior (Ordinance of February 5, 1959, amended)  
Seule la version française fait foi.

Only the French version is legally acceptable.

**Valid 5 years as from July 28<sup>th</sup>, 2005**

**Owner:** **TISSAGE et ENDUCTION SERGE FERRARI SA**  
**Zone Industrielle**  
**38352 LA TOUR DU PIN CEDEX**  
**FRANCE**

**Commercial brand(s):** **PRECONTRAIT<sup>®</sup> 502**

**Brief description:** **Textile Architecture**  
(see detailed description in paragraph 2)

**Date of issue:** **January 19<sup>th</sup>, 2006**

The indicated classification does not prejudice the conformity of marketed materials with the samples submitted to the tests and under no circumstances, this document should not be considered as type approval or certification of the product in the sense of the L 115-27 article of the consumption's code and of the law dated June 3<sup>rd</sup>, 1994.

The reproduction of this classification report is only authorised in its integral form, with or without its test report attached.

It comprises 4 pages.

**Nota:** modification of the end use application. The report RA05-0316 of January 19<sup>th</sup>, 2006 cancels and replaces the report RA05-0316 of July 28<sup>th</sup>, 2005.

**1. Introduction**

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

**2. Product description**

Coated fabric for textile architecture.

Textile consisting of 100 % polyester fibres fabric coated on both sides with fire retardant polyvinyl chloride.

Nominal thickness: 0.47 mm.

Nominal weight per unit area: 590 g/m<sup>2</sup>.

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 Nos.	Test method
CSTB	TISSAGE et ENDUCTION SERGE FERRARI SA Zone Industrielle 38352 LA TOUR DU PIN CEDEX FRANCE	ES541050475	RA05-0316	EN ISO 11925-2 EN 13823

**3.2 Tests results**

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

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters : mean value	Compliance parameters
EN 13823	PRECONTRAI <sup>®</sup> 502	5	FIGRA <sub>0.2MJ</sub> (W/s)	15.3	-
			FIGRA <sub>0.4MJ</sub> (W/s)	6.1	-
			LFS THR <sub>600s</sub> (MJ)	1.0	Not reached -
			SMOGR(m <sup>2</sup> /s <sup>2</sup> ) TSP <sub>600s</sub> (m <sup>2</sup> )	54.7 102.1	- -
			Flaming droplets or debris	-	None

(-) 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 10.6, 10.9.3 and 10.10 of the EN 13501-1 standard.

##### 4.2 Classification

Fire behaviour		Smoke production		Flaming droplets or debris
B	-	s2	,	d0

**Classification: B - s2, d0**

##### 4.3 Field of application

This classification is valid for the following product parameters:

- For various colours.

This classification is valid for the following end use conditions:

- With any A1 or A2 substrate with a density  $\geq$  to 800 kg/m<sup>3</sup>.
- With a minimum air gap of 80 mm.

Champs-sur-Marne, January 19<sup>th</sup>, 2006

Technician  
Responsible for the test



Gildas CREACH

Head of the Reaction to Fire Laboratory



Martial BONHOMME

.....-END OF THE CLASSIFICATION REPORT-