



*le futur en construction*

**SAFETY, STRUCTURES AND FIRE DEPARTMENT**

**Reaction to fire**

# **REACTION TO FIRE CLASSIFICATION REPORT**

## **No. RA05-0366**

### **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 August 31<sup>st</sup>, 2005**

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

**Commercial brand(s):** **PRECONTRAI<sup>®</sup>NT 1002**

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

**Date of issue:** **January 23<sup>rd</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 RA05-0366 of January 23<sup>rd</sup>, 2006 cancels and replaces the report RA05-0366 of August 31<sup>st</sup>, 2005.

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CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT

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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 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 polyvinyle chloride.

Nominal thickness: 0.83 mm.

Nominal weight per unit area: 1050 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 FRANCE	ES541050474	RA05-0366	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	PRECONTRAIT® 1002	6	Fs = 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s surface exposure	PRECONTRAIT® 1002	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	PRECONTRAIT® 1002 With an 80 mm thick air gap	3	FIGRA <sub>0,2MJ</sub> (W/s)	81.6	-
			FIGRA <sub>0,4MJ</sub> (W/s)	71.6	-
			LFS		<b>Not reached</b>
			THR <sub>600s</sub> (MJ)	2.2	-
			SMOGRA(m <sup>2</sup> /s <sup>2</sup> )	58.5	-
			TSP <sub>600s</sub> (m <sup>2</sup> )	137.5	-
			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 clause 10.6, 10.9.3, 10.10.1 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:

- 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 23<sup>rd</sup>, 2006

**Technician  
Responsible for the test**

  
**Gildas CREACH**

**Head of the Reaction to Fire Laboratory**

  
**Martial BONHOMME**

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