



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to fire

**REACTION TO FIRE CLASSIFICATION REPORT
No. RA05-0534
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 December 13th, 2005

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

Commercial brand(s): PRECONTRAIN 702

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

Date of issue: December 13th, 2005

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 3rd, 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.

PARIS - MARNE-LA-VALLÉE - GRENOBLE - NANTES - SOPHIA ANTIPOLIS
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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 polyvinyl chloride.

Nominal thickness: 0.87 mm.

Nominal weight per unit area: 750 g/m².

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	SERGE FERRARI SA TISSAGE et ENDUCTION Zone Industrielle 38352 LA TOUR DU PIN FRANCE	ES541050473	RA05-0534	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 NT 702	6	Fs = 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s surface exposure	PRECONTRAI NT 702	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	Precontraint 702	3	FIGRA _{0,2MJ} (W/s)	105.3	-
			FIGRA _{0,4MJ} (W/s)	58.4	-
			LFS THR _{600s} (MJ)	2.1	Not reached -
			SMOGRA(m ² /s ²) TSP _{600s} (m ²)	104.2 130.1	- -
			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, 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/m³.
- With a minimum air gap of 80 mm.

Champs-sur-Marne, December 13th, 2005

Technician
Responsible for the test



Gildas CREACH

Head of the Reaction to Fire Laboratory



Martial BONHOMME

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