



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT

No. RA14-0080

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, amended)

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

Valid 5 years from May 16th, 2014

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

Commercial brand(s): **PRECONTRAIN 702 opaque**

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

Date of issue: **May 16th, 2014**

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 to L 115-33 and R 115-1 to R 115-3 articles of the consumption's code.
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The reproduction of this classification report is only authorised in its integral form.
It comprises 5 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 backing coated on both sides with fire-retarded polyvinyl chloride and an acrylic varnish.

Overall nominal thickness: 0.63 mm \pm 10 %.

Overall nominal weight per unit area: 830 g/m² \pm 5 %.

Nominal weight per unit area of the backing: 200 g/m² \pm 10 %.

Nominal quantity applied of acrylic varnish: 4 g/m² dry per side.

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
CSTB	SERGE FERRARI Zone Industrielle 38110 LA TOUR DU PIN FRANCE	ES541140138	RA14-0080	EN ISO 11925-2:2002 EN 13823:2002

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
EN ISO 11925-2 30s surface exposure	PRECONTRAIN 702 opaque (various colours)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure	PRECONTRAIN 702 opaque (various colours)	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
EN 13823	PRECONTRAIN 702 opaque (yellow colour)	3	FIGRA _{0.2MJ} (W/s)	115.3	-
			FIGRA _{0.4MJ} (W/s)	47.0	-
			LFS THR _{600s} (MJ)	- 1.5	Not reached -
			SMOGRA(m ² /s ²) TSP _{600s} (m ²)	76.1 84.9	- -
			Flaming droplets or debris	-	None

(-) means: not applicable

3.3 Additional tests

Test method	Product	Number of tests	Parameters	Results		
				Continuous parameters Mean values	Compliance parameters	
EN 13823	PRECONTRAIN 702 opaque (white colour)	1	FIGRA _{0.2MJ} (W/s)	84.4	-	
			FIGRA _{0.4MJ} (W/s)	0.0	-	
			LFS THR _{600s} (MJ)	- 1.1	Not reached -	
				SMOGRAM(m ² /s ²)	83.8	-
				TSP _{600s} (m ²)	71.7	-
				Flaming droplets or debris	-	None
	PRECONTRAIN 702 opaque (blue colour)	1	FIGRA _{0.2MJ} (W/s)	0.0	-	
FIGRA _{0.4MJ} (W/s)			0.0	-		
LFS THR _{600s} (MJ)			- 0.8	Not reached -		
			SMOGRAM(m ² /s ²)	63.2	-	
			TSP _{600s} (m ²)	79.6	-	
			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 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	-	s2	,	d0

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 0.63 mm ± 10 %.
- An overall nominal weight per unit area of 830 g/m² ± 5 %.
- 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/m³.
- With a minimum air gap of 200 mm.

5. Limitation

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

Champs-sur-Marne, May 16th, 2014

**The Technician
Responsible for the test**

Benoit FOREST

**The Head of Reaction to Fire
Unit**

Gildas CREACH

.....END OF THE CLASSIFICATION REPORT