CSTB
le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT
Reaction to fire

REACTION TO FIRE CLASSIFICATION REPORT
No. RA10-0050
ACCORDING TO THE EUROPEAN STANDARD
NF EN 13501-1

Notification by the French Government to the European Commission under no 0679.
Seule la version française fait foi.
The French version is legally acceptable

Product standard:
NF EN 14041: "Resilient, textile and laminate floor coverings – Essential characteristics"

Owner:

ENIA TECSOM SAS
2 bis avenue François Sommer
08200 SEDAN
FRANCE

Commercial brand(s):

CHIC MODUL
STARLET MODUL
TECSOM 4750
TECSOM 4900 AVENUE / 4900 AVENUE DESIGN
TECSOM 4700 ELEGANCE / 4700 ELEGANCE DESIGN
TECSOM 4910 BOULEVARD
ARAZZO
SILHOUETTE
TECSOM 4120 GALERIE / 4120 GALERIE DESIGN
TECSOM 4090
PASSAGE MODUL
MESSE SCHWEIZ

Brief description:

Textile floor covering
(see detailed description in paragraph 2)

Date of issue:

February 15th, 2010

The indicated classification does not prejudge 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.
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 5 pages.

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 standard.

2. Product description

Fire-retarded textile floor coverings tiles tested maintained with preparing product (acrylic) on an $A2_{fl}$-s1 class fibre-cement substrate.

Tufted carpets consisting of:
- A 100% polyamide cut velvet overlay.
- A non woven backing made of synthetic fibres.
- A coating made of acrylic resin.
- A glued backing made of stabilized polyvinyl chloride reinforced with a glass mat.

Overall nominal weights per unit area: from 4145 to 4840 g/m².
Overall nominal thicknesses: from 6.5 to 9.5 mm.
Colors: 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	**ENIA TECSOM SAS
2 bis avenue François Sommer
08200 SEDAN
FRANCE**	**ES541060820
ES541070504
ES541070105
ES541080244
ES541091003**	RA07-0203
RA07-0203
RA07-0204
RA08-0273
RA10-0050	EN ISO 11925-2
EN ISO 9239-1

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results Compliance parameters
EN ISO 11925-2 Surface exposure - 15 seconds	TECSOM 4700 ELEGANCE
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	TECSOM 4900 AVENUE
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	ARAZZO
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	SILHOUETTE
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	TECSOM 4120 GALERIE
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	MESSE SCHWEIZ
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	PASSAGE MODUL
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	TECSOM 4120 GALERIE DESIGN
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**
	TECSOM 4090
Warpwise and woofwise	6	Fs > 150 mm
Filter paper	**Not reached
Not ignited**

3.2 Tests results (continuation)

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters: mean value
EN ISO 9239-1	CHIC MODUL Woofwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	9.42 355
	TECSOM 4700 ELEGANCE DESIGN Woofwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	8.41 579
	TECSOM 4900 AVENUE Warpwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	8.39 570
	ARAZZO Warpwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	8.32 522
	SILHOUETTE Warpwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	10.02 410
	TECSOM 4120 GALERIE DESIGN Warpwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	8.34 532
	MESSE SCHWEIZ Woofwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	9.49 393
	PASSAGE MODUL Warpwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	$\geq$11 52
	TECSOM 4090 Woofwise	3	Critical heat flux (kW/m^2) Smoke (%.min)	8.33 542

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clause(s) 11.6 and 11.9.2 of the NF EN 13501-1 standard.

4.2 Classification

Fire behaviour		Smoke production
B_{fl}	-	s1

Classification: B_{fl} - s1

4.3 Field of application

This classification is valid for the following product parameters:

- The products described in paragraph 2.
- Into the form of tiles.
- A range of overall nominal thicknesses from 6.5 to 9.5 mm.
- A range of overall nominal weights per unit area from 4145 to 4840 g/m^2.

This classification is valid for the following end use conditions:

- Maintained with a preparing product (acrylic) on any $A2_{fl}$-s1 or $A1_{fl}$ class substrate with a density $\geq$ 1200 kg/m^3.

Champs-sur-Marne, February 15th, 2010

**The Technician
Responsible for the test**

Franck GOGUEL

**The Head of Reaction to Fire
laboratory**

Nicolas ROURE

....END OF THE CLASSIFICATION REPORT