



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to fire

REACTION TO FIRE CLASSIFICATION REPORT

No. RA07-0079

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 13986: "Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking"

Owner: **TAVAPAN SA**
10 rue de la Dout
2710 TAVANNES
SWITZERLAND

Commercial brand(s): **TAVAPERF MDF mélaminé EURO classe B**
With tissue on the back side

Manufacturing unit(s): **TAVAPAN SA**
10 rue de la Dout
2710 TAVANNES
SWITZERLAND

Brief description: **Wood-based acoustic panels**
(see detailed description in paragraph 2)

Date of issue: **February 28th, 2007**

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.
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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 standard.

2. Product description

Perforated B-s2,d0 class medium density fibreboard (MDF), fire retarded during production, covered with a warm-pressed decorative melamine paper on the visible side.
The back side is covered with a warm-pressed melamine paper and with a black laminated non-woven cellulose tissue.

Tested types of perforations:

Spacing: 16/16 mm and 32/32 mm.

Diameters of holes: 6 and 8 mm.

Nominal thicknesses: 16 mm and 19 mm.

Measured weights per unit area: from 11 to 13 kg/m² according to the type of perforation for the 16 mm thick panels.

Nominal weights per unit area of melamine papers: 140 g/m² (plain papers) and 200 g/m² (wood and fancy decorative papers).

Decors: plain, wood and fancy - 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	TAVAPAN SA 10 rue de la Dout 2710 TAVANNES SWITZERLAND	ES541050875	RA07-0079	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	TAVAPERF (Melamine paper)	6	Fs > 150 mm Filter paper	Not reached Not ignited
	TAVAPERF (Back side: non woven tissue)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s surface exposure	TAVAPERF (Melamine paper)	6	Fs > 150 mm Filter paper	Not reached Not ignited
	TAVAPERF (Back side: non woven tissue)	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure specimen turned at 90°	TAVAPERF (Wood MDF)	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	TAVAPERF melamine wood decor – With tissue on the back side Spacing 16/16 Perforation Ø 8 mm	3	FIGRA _{0.2MJ} (W/s)	102.8	-
			FIGRA _{0.4MJ} (W/s)	93.2	-
			LFS THR _{600s} (MJ)	- 5.9	Not reached -
			SMOGRA(m ² /s ²) TSP _{600s} (m ²)	8.3 44.7	- -
			Flaming droplets or debris	-	None

(-) means: not applicable

3.3 Additional tests

Test method	Product	Number of tests	Parameters	Results		
				Continuous parameters : mean value	Compliance parameters	
EN 13823	TAVAPERF melamine decor plain white – With tissue on the back side Spacing 16/16 Perforation Ø 8 mm	1	FIGRA _{0,2MJ} (W/s)	93.6	-	
			FIGRA _{0,4MJ} (W/s)	92.6	-	
			LFS	-	Not reached	
				THR _{600s} (MJ)	6.3	-
				SMOGRA(m ² /s ²)	6.7	-
				TSP _{600s} (m ²)	48.5	-
				Flaming droplets or debris	-	None
	TAVAPERF melamine decor plain white – With tissue on the back side Spacing 32/32 Perforation Ø 6 mm	1	FIGRA _{0,2MJ} (W/s)	84.8	-	
			FIGRA _{0,4MJ} (W/s)	79.9	-	
LFS			-	Not reached		
			THR _{600s} (MJ)	5.0	-	
			SMOGRA(m ² /s ²)	1.1	-	
			TSP _{600s} (m ²)	33.9	-	
			Flaming droplets or debris	-	None	
TAVAPERF melamine decor beech wood – With tissue on the back side Spacing 32/32 Perforation Ø 6 mm	1	FIGRA _{0,2MJ} (W/s)	55.1	-		
		FIGRA _{0,4MJ} (W/s)	51.7	-		
		LFS	-	Not reached		
			THR _{600s} (MJ)	3.9	-	
			SMOGRA(m ² /s ²)	0.9	-	
			TSP _{600s} (m ²)	27.1	-	
			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 8.2, 10.6, 10.9.2 and 10.10.1 of the NF EN 13501-1 standard.

4.2 Classification

Fire behaviour		Smoke production		Flaming droplets or debris
B	-	s1	,	d0

Classification: B - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- Spacing: 16/16 mm and 32/32 mm.
- Diameters of holes: 6 and 8 mm.
- Nominal density of 684 kg/m³ (non-perforated panel).
- A range of thicknesses from 16 to 19 mm.
- Nominal weights per unit area of melamine papers from 140 to 200 kg/m².
- Panels must be covered with a laminated non-woven cellulose tissue.

This classification is valid for the following end use conditions:

- With a minimum airgap of 40 mm and with horizontal timbers.

Champs-sur-Marne, February 28th, 2007

**The Technician
Responsible for the test**


Nicolas ROURE

The Head of Reaction to Fire activity
P.O. Nicolas LEGENDRE


Martial BONHOMME

.....END OF THE CLASSIFICATION REPORT