le futur en construction
SAFETY, STRUCTURES AND FIRE DEPARTMENT
Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT No. RA14-0367 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, modified)
Seule la version française fait foi
Only the French version is legally acceptable

Valid 5 years from December 15th, 2014

Owner:	**GIRPI** **Rue Robert Ancel** **76700 HARFLEUR** **FRANCE**
Commercial brand(s):	**HTA-E**
Brief description:	**Pipes and fittings made of chlorinated polyvinyl chloride** (see detailed description in paragraph 2)
Date of issue:	**December 15th, 2014**

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

Rigid pipes and fittings made of chlorinated polyvinyl chloride.

Characteristics of the pipes:
Nominal density: 1550 kg/m^3.
Nominal diameters: from 40 to 200 mm.
Nominal thicknesses: from 3.0 to 8.0 mm.

Characteristics of the fittings:
Nominal density: 1450 kg/m^3.
Nominal diameters: from 40 to 200 mm.
Nominal thicknesses: from 6.5 to 9.0 mm.

Colour: brown (pipes and fittings).

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	**GIRPI** **Rue Robert Ancel** **76700 HARFLEUR** **FRANCE**	**ES541140533**	RA14-0367	NF EN ISO 11925-2:2013 NF EN 13823:2013

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
NF EN ISO 11925-2 30s surface exposure	HTA-E	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure	HTA-E	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823	HTA-E	3	$FIGRA_{0.2MJ}$(W/s) $FIGRA_{0.4MJ}$(W/s) LFS THR_{600s}(MJ)	**5.0** **5.0** **-** **0.6**	**-** **-** **Not reached** **-**
			SMOGRA(m²/s²) TSP_{600s}(m²)	**0.7** **15.8**	**-** **-**
			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, 11.9.2 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	-	s1	,	d0

Classification: B - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- A nominal density for the pipes of 1550 kg/m^3.
- A nominal density for the fittings of 1450 kg/m^3
- A range of nominal diameters of the pipes and fittings from 40 to 200 mm.
- A range of nominal thicknesses of the pipes from 3.0 to 8.0 mm.
- A range of nominal thicknesses of the fittings from 6.5 to 9.0 mm.
- A brown colour.

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/m^3.
- With or without air gap.

5. Limitation

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

Champs-sur-Marne, December 15th, 2014

The Technician Responsible for the test

Maxime BAUER

The Head of Reaction to Fire Unit

Gildas CREACH

……END OF THE CLASSIFICATION REPORT