



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to fire

REACTION TO FIRE CLASSIFICATION REPORT No. RA09-0351 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 October 08th, 2009

Owner: **RENOLIT Ondex
Avenue de Tavaux
21800 CHEVIGNY SAINT SAUVEUR
FRANCE**

Commercial brand(s): **ONDEX PVC NP CRISTAL**

Brief description: **Light transmitting single skin profiled plastic sheets
(see detailed description in paragraph 2)**

Date of issue: **October 08th, 2009**

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.
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 4 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

Light transmitting single skin profiled sheets.

Plane and rigid sheets consisting of two coextruded elements as follows:

- A sheet made of non-plasticized polyvinyl chloride.
- An anti UV treated non-plasticized polyvinyl chloride based surface layer.

Provided nominal weights per unit area: 1.1 and 2.9 kg/m².

Provided nominal thicknesses: 0.6 and 1.7 mm.

Colour: azure crystal.

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	RENOLIT Ondex Avenue de Tavaux 21800 CHEVIGNY SAINT SAUVEUR FRANCE	ES541090545	RA09-0351	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 surface exposure	ONDEX PVC NP CRISTAL 0.6 mm thick	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure	ONDEX PVC NP CRISTAL 0.6 mm thick	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s surface exposure	ONDEX PVC NP CRISTAL 1.7 mm thick	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 30s edge exposure	ONDEX PVC NP CRISTAL 1.7 mm thick	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	ONDEX PVC NP CRISTAL 0.6 mm thick	3	FIGRA _{0.2MJ} (W/s)	0.0	-
			FIGRA _{0.4MJ} (W/s)	0.0	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.4	-
			SMOGRA(m ² /s ²)	0.4	-
			TSP _{600s} (m ²)	15.3	-
			Flaming droplets or debris	-	None
EN 13823	ONDEX PVC NP CRISTAL 1.7 mm thick	3	FIGRA _{0.2MJ} (W/s)	0.0	-
			FIGRA _{0.4MJ} (W/s)	0.0	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.7	-
			SMOGRA(m ² /s ²)	8.8	-
			TSP _{600s} (m ²)	43.6	-
			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, 11.9.2 and 11.10.1 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:

- The product described in paragraph 2.
- A range of nominal thicknesses from 0.6 to 1.7 mm.
- A range of nominal weights per unit area from 1.1 to 2.9 kg/m².
- An azure crystal colour.

This classification is valid for the following end use conditions:

- Mechanically fixed on metallic substructure.
- With a minimum air gap of 200 mm.
- With or without A1 or A2-s1, d0 class substrate with a density ≥ 820 kg/m³.

Champs-sur-Marne, October 08th, 2009

**The Technician
responsible for the test**



Olivier BRAULT

The Head of Reaction to Fire laboratory



Gildas CREACH

.....END OF THE CLASSIFICATION REPORT