



LNE

Le progrès, une passion à partager

LABORATOIRE DE TRAPPES
29 avenue Roger Hennequin - 78197 Trappes Cedex
Tél. : 01 30 69 10 00 - Fax : 01 30 69 12 34

File G120866 - Document CEMATE/7 - Page 1/6

EUROPEAN REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH EN 13501-1: 2002

And the French modified Arrêté, dated 21 November 2002, concerning the reaction to fire of construction and fitting-out products.

(free translation of French classification report n°G120866 CEMATE/6)

N° G120866 - CEMATE/7

Sponsor : POLITEC POLIMERI TECNICI SA
Via Lische 5
ZI 3
6855 STABIO
SUISSE

Commercial trademarks : POLITEC 4-LITE

Brief description : Polycarbonate sheet with cavities

Surfacic masses : (1,3 to 1,75 ± 3 %) kg/m²
Thickness : (6 to 10) mm
Colours : opal and clear

Period of validity : 5 years from the 20 June 2007.

The quoted results are only applicable to the samples, the products or materials described in this document.

**The full document can be copied.
It is composed of 6 pages**

Laboratoire national de métrologie et d'essais

Établissement public à caractère industriel et commercial • Siège social : 1, rue Gaston Boissier - 75724 Paris Cedex 15 • Tél. : 01 40 43 37 00
Fax : 01 40 43 37 37 • E-mail : info@lne.fr • Internet : www.lne.fr • Siret : 313 320 244 00012 • NAF : 743 B • TVA : FR 92 313 320 244
Barclays Paris Centrale IBAN : FR76 3058 8600 0149 7267 4010 170 BIC : BARCFRPP

1. INTRODUCTION

This classification report defines the classification assigned to product in accordance with the procedures given in EN 13501-1:2002.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. NATURE AND END USE APPLICATION

Polycarbonate sheet with cavities

End use : Covering, roofing, glazing, domes, conservatories.

2.2. DESCRIPTION

The tested product referenced are fully described in the test reports referenced File G120866 – Documents CEMATE/1, CEMATE/2 and CEMATE/3.

Main characteristics of tested product :

Commercial Trademarks	Surfacic masses	Thicknesses	Colors
POLITEC 4-LITE	(1,3 and 1,75 ± 3 %) kg/m ²	(6 and 10) mm	Clear or Opal

Report to be followed on next page

3. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1. TEST REPORTS

Name of laboratory	Name of sponsor	Test report ref	Test method
Laboratoire national de métrologie et d'essais 29 av. Roger Hennequin 78197 TRAPPES Cedex France Notified Body : 0071	POLITEC POLIMERI TECNICI SA Via Lische 5 ZI 3 6855 STABIO SUISSE	G120866 : CEMATE/1 CEMATE/2 CEMATE/3	EN ISO 11925-2 : 2002. Ignability. EN 13823 :2002 SBI test.

Report to be followed on next page

3.2. TEST RESULTS FOR CONSTRUCTION PRODUCTS EXCEPT FLOORINGS

Test Method	Parameters	Number of tests	Results	
			Continuous parameters mean	Compliance parameter
EN ISO 11925-2 :2002. Thicknesses : 6 and 10 mm Surface application 30 s exposure	$F_s \leq 150$ mm	12	-	YES
	Flaming droplets / particules with a filter paper ignition		-	NO
EN 13823 :2002 Thickness : 6 mm	FIGRA _{0.2 MJ} (W/s)	3	9	-
	FIGRA _{0.4 MJ} (W/s)		1	-
	LFS < edge THR _{600s} (MJ)		- 0,4	YES -
EN 13823 :2002 Thickness : 10 mm	SMOGRA (m ² /s ²)	3	0	-
	TSP _{600s} (m ²)		16	-
	Flaming droplets / particules: FDP (≤ 10 s) FDP (> 10 s)		- - -	NO - -
EN 13823 :2002 Thickness : 10 mm	FIGRA _{0.2 MJ} (W/s)	3	29	-
	FIGRA _{0.4 MJ} (W/s)		19	-
	LFS < edge THR _{600s} (MJ)		- 0,8	YES -
EN 13823 :2002 Thickness : 10 mm	SMOGRA (m ² /s ²)	3	0	-
	TSP _{600s} (m ²)		16	-
	Flaming droplets / particules: FDP (≤ 10 s) FDP (> 10 s)		- - -	NO - -

Report to be followed on next page

4. CLASSIFICATION AND DIRECT FIELD APPLICATION

4.1. CLASSIFICATION

The classification has been carried out in accordance with clause 10 of EN 13501-1 : 2002.

Fire behaviour	Smoke production	Flaming droplets
B	s1	d0

Classification : B – s1 – d0 with covered cut edges
--

4.2. FIELD OF APPLICATION

The classification is valid for the following product parameters « POLITEC 4-LITE »:

- surfacic masses : (1,3 to 1,75 ± 3 %) kg/m²,
- total thickness : (6 to 10) mm,
- colours : clear and opal,
- same composition than the products mentioned in the tests reports.

The classification is valid for the following end use conditions :

- without substrate,
- or with substrate classified A1 or A2 and a minimum airgap of 200 mm.

Report to be followed on next page

5. LIMITATIONS

5.1. RESTRICTIONS CONCERNING THE VALIDITY PERIOD OF THE CLASSIFICATION REPORT

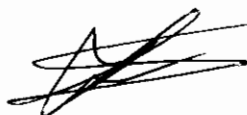
Period of validity : 5 years from the 20 June 2007.

5.2. WARNING

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

Trappes, the 20 June 2007

**The Head of Fire
Behaviour Division**



Alain SAINRAT



Test Officer



Alexandre DERNIAUX