



warringtonfiregent
global safety

Classification report Nr 11745C

Owner of the classification report

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Introduction

This classification report defines the classification assigned to the products '**Vivak UV clear 2099 and Vivak clear 099**' in accordance with the procedures given in the standard EN 13501-1: 2002: Fire classification of construction products and building elements part 1: classification using data from reaction to fire tests.

This classification report consists of 6 pages



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1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The products '**Vivak UV clear 2099** and **Vivak clear 099**' are defined as 'PETG sheets'.

Their classification is valid for the following end use application:

'Internal and external use as wall covering with protection of the cut edges, without joints and with a void.

b) Description

Vivak UV clear 2099

The tested material consists of a transparent, homogeneous PETG sheet with an UV protection layer on each side. Each protection layer contains an UV absorber.

	Nominal values	
Thickness (mm)	2	8
Average volumic mass (kg/m ³)	1270	

Vivak clear 099

The tested material consists of a transparent, homogeneous PETG sheet. The product is identical to the product '**Vivak UV clear 2099**' but without the UV protection layer and absorber.

	Nominal values	
Thickness (mm)	8	
Average volumic mass (kg/m ³)	1270	

Bayloy 50 Grey

The tested material consists of a homogeneous PETG sheet which has got an opaque grey colour. The product is identical to the product '**Vivak clear 099**'.

	Nominal values	
Thickness (mm)	4	
Average volumic mass (kg/m ³)	1270	

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THE CLASSIFICATION

a) Test reports

Name of the laboratory	Name sponsor	Test report Nr..	Test method,
WFRGENT N.V. Ghent, Belgium	BAYER SHEET EUROPE NV	11745A, 11804A, 11804C, 11843	EN 13823 (February 2002)
WFRGENT N.V. Ghent, Belgium	BAYER SHEET EUROPE NV	11745B, 11804B	EN ISO 11925-2 (February 2002)
WFRGENT N.V. Ghent, Belgium	BAYER SHEET EUROPE NV	11745D	EXAP report in accordance CEN TC127 N2157

b) Test results for construction products except floorings

Test method	Parameter	Number of tests	Results		Criteria for Class B-s1,d0	
			Mean parameter		Continuous parameter	Compliance parameter
			Continuous parameter	Compliance parameter		
EN ISO 11925-2 (1) 30s flame application: surface - front side	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
EN ISO 11925-2 (2) 30s flame application: surface - front side	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
EN 13823 (3)	FIGRA (W/s) LFS _{edge} THR _{600s} (MJ) SMOGRA (m ² /s ²) TSP _{600s} (m ²) FDP _{f<10s} FDP _{f>10s}	3	36,73 (-) 1,67 5,94 33,72 (-) (-)	(-) No (-) (-) (-) Yes No	≤ 120 (-) $\leq 7,5$ ≤ 30 ≤ 50 (-) (-)	(-) No (-) (-) (-) Yes No
EN 13823 (4)	FIGRA (W/s) LFS _{edge} THR _{600s} (MJ) SMOGRA (m ² /s ²) TSP _{600s} (m ²) FDP _{f<10s} FDP _{f>10s}	3	3,44 (-) 0,22 1,01 21,81 (-) (-)	(-) No (-) (-) (-) Yes No	≤ 120 (-) $\leq 7,5$ ≤ 30 ≤ 50 (-) (-)	(-) No (-) (-) (-) Yes No

EN 13823 (5)	FIGRA (W/s)	2	29,91	(-)	≤ 120	(-)
	LFS _{edge}		(-)	No	(-)	No
	THR _{600s} (MJ)		1,20	(-)	≤ 7,5	(-)
	SMOGRA (m ² /s ²)		8,19	(-)	≤ 30	(-)
	TSP _{600s} (m ²)		37,60	(-)	≤ 50	(-)
	FDP _{f<10s}		(-)	Yes	(-)	Yes
	FDP _{f>10s}		(-)	No	(-)	No
EN 13823 (6)	FIGRA (W/s)	2	15,72	(-)	≤ 120	(-)
	LFS _{edge}		(-)	No	(-)	No
	THR _{600s} (MJ)		1,0	(-)	≤ 7,5	(-)
	SMOGRA (m ² /s ²)		4,57	(-)	≤ 30	(-)
	TSP _{600s} (m ²)		29,90	(-)	≤ 50	(-)
	FDP _{f<10s}		(-)	Yes	(-)	Yes
	FDP _{f>10s}		(-)	No	(-)	No

(-) Not applicable

- (1) Based on the test results obtained in the test report 11745B – Vivak UV clear 2099 (2mm)
- (2) Based on the test results obtained in the test report 11804B – Vivak UV clear 2099 (8mm)
- (3) Based on the test results obtained in the test report 11804A – Vivak UV clear 2099 (8mm)
- (4) Based on the test results obtained in the test report 11745A – Vivak UV clear 2099 (2mm)
- (5) Based on the test results obtained in the test report 11843 – Vivak Clear 099 (8mm)
- (6) Based on the test results obtained in the test report 11804C – Bayloy 50 Grey (4mm)

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

a) Reference and direct field of application

This classification has been carried out in accordance with clause 10.6 .of EN 13501-1: 2002.

b) Classification

The products '**Vivak UV clear 2099 and Vivak clear 099**' in relation to their reaction to fire behavior are classified as:

Fire behavior	Additional classification	
B	s1	d0

c) Field of application

This classification for the product as described in §1b, is valid for the following end use conditions :

- With a void
- No fixing but with protection of the cut edges with a metal frame
- No joints

this classification is valid for the following parameter range :

Vivak UV clear 2099 and Vivak clear 099

- nominal thickness : 2 mm till 8 mm
- nominal density: 1270 kg/m³
- Colour: transparant

Bayloy 50 Grey

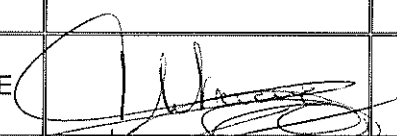

- nominal thickness : 2 mm till 4 mm
- nominal density: 1270 kg/m³
- Colour: opaque grey

4. RESTRICTIONS

At the time the standard EN 13501-1 (February 2002) was published, no decision was made concerning the duration of validity of a classification report.

5. WARNING

This classification report does not represent type approval nor certification of the product.

Report	Name	Signature (*)	Date
Prepared by	Ing. Frans DUTRIEUE		09. JAN. 2006
Reviewed by	Prof. Dr. Ir. Paul VANDEVELDE		09. JAN. 2006
(*) For and on behalf of "WFRGent N.V."			

EN 13501-1 B-C-D WG 1E

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