

classification report

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007

Notified Body No:

0833

Product Names:

"PALOPAQUE",
"PALOPAQUE HYG", "HYG",
"PALCLAD", "PALCLAD HYG",
"TROVEX DIAMOND",
"ENVIROCLAD"

Report No:

170002

Issue No:

1

Prepared for:

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Date:

22nd February 2008

1. Introduction

This classification report defines the classification assigned to the following family of rigid PVC sheet products "PALOPAQUE", "PALOPAQUE HYG", "HYG", "PALCLAD", "PALCLAD HYG", "TROVEX DIAMOND", "ENVIROCLAD", in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The following family of rigid PVC sheet products "PALOPAQUE", "PALOPAQUE HYG", "HYG", "PALCLAD", "PALCLAD HYG", "TROVEX DIAMOND", "ENVIROCLAD", are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The following family of rigid PVC sheet products "PALOPAQUE", "PALOPAQUE HYG", "HYG", "PALCLAD", "PALCLAD HYG", "TROVEX DIAMOND", "ENVIROCLAD", are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		A flat, unplasticised rigid PVC sheet adhered to one face of a paper face plasterboard substrate utilising "XP2460" adhesive.
Plastic sheet	Generic type	PVC sheet
	Trade name / product reference	"PALOPAQUE" "PALOPAQUE HYG" "HYG" "PALCLAD" "PALCLAD HYG" "TROVEX DIAMOND" "ENVIROCLAD "
	Name of manufacturer	Palram DPL Ltd (part of the Palram Group of Companies)
	Detailed description / composition details	Flat, unplasticised, rigid, tin stabilised PVC sheet with anti microbial additive
	Thickness	Between 2 and 3mm
	Specific gravity	1.4
	Colour	Any Pastel Colour
	Flame retardant details	See Note 1 below
Adhesive	Product reference	"TROVEXbond XP2460"
	Generic type	A two-part polyurethane based adhesive
	Name of manufacturer	Chemique
	Application rate	3kg per 8m ²
	Application method	V-notched trowel
Substrate	Flame retardant details	See Note 1 below
	Trade name	"Gyproc Wallboard"
	Generic type	Plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
Density	670kg/m ³	

	Flame retardant details	The supplier was unable to provide Bodycote warringtonfire with these details
	Brief description of manufacturing process	The sponsor of the test did not supply any information relating to the manufacturing process

Note 1. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	Palram U.K.	WF 164886	EN ISO 11925-2
Bodycote warringtonfire	Palram U.K.	WF 164884, 164882, 164883	EN 13823
Bodycote warringtonfire	Palram U.K.	WF 170003	EN/TS 15117

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F _s	6	37	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure – edge)	F _s	6	18	Compliant
	Flaming droplets/ particles		None	Compliant

EN 13823	FIGRA _{0.2MJ}	3, 1, 1	95.88, 96.31, 85.58	Compliant
	THR _{600s}		6.76, 5.57, 6.18	Compliant
	LFS		N, N, N	Compliant
	SMOGRA		143.37, 153.00, 120.57	Compliant
	TSP _{600s}		604.76, 446.69, 549.44	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007

4.2 Classification

The following family of rigid PVC sheet products "PALOPAQUE", "PALOPAQUE HYG", "HYG", "PALCLAD", "PALCLAD HYG", "TROVEX DIAMOND", "ENVIROCLAD", in relation to their reaction to fire behaviour are classified:

B

The additional classification in relation to smoke production is:

s3

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	3	,	d	0

i.e. B – s3 , d0

Reaction to fire classification: B – s3, d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications, used over any plasterboard substrate with a density equal to or greater than 670Kg/m³, having a minimum thickness of 12mm and a fire performance of A2 or better.
- ii) Product installed utilising 'TROVEXbond XP2460' adhesive, at an application rate of 3kg per 8m².

This classification is also valid for the following product parameters:

Product thickness	Between 2 and 3mm
Product weight per unit area	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Product colour	Any pastel colour

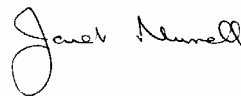
SIGNED



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APPROVED



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Bodycote warringtonfire

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