l'assification report



Title:

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

Notified Body No:

0833

Product Name:

Palsun, Palsun UV2, Paltuf

Report No:

185769

Issue No:

1

Prepared for:

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Date:



This classification report defines the classification assigned to 'Palsun, Palsun UV2, Paltuf' a family of extruded solid polycarbonate flat sheets, in line with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The products, 'Palsun, Palsun UV2, Paltuf' a family of extruded solid polycarbonate flat sheets, are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The products, 'Palsun, Palsun UV2, Paltuf' are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Extruded solid polycarbonate flat sheet		
Trade name / product reference		"Palsun," "Palsun UV2," " Paltuf"		
Detailed description / composition details		Polycarbonate		
Name of manufacturer		Palram		
Density / weight per unit area		1.2g/cm ³ (Stated by sponsor)		
Thickness		3 - 6mm (Stated by sponsor)		
Colour		Clear, transparent		
Flame retardant details		See Note 1		
Brief description of	f manufacturing process	Extrusion		
Mounting and fixing details	The specimens were tested clamped into a "window" frame manufactured from 5mm steel sheet. A one piece, 'L' shaped frame was placed into the test position with the product butted up behind it. A rectangular shaped frame was then butted up behind each wall of the sample and clamped into place at the top and bottom. 5mm thick steel angle (40mm x 40mm) was placed along the full length of the unexposed edge of the corner joint and clamped into position to secure it utilising bars at the top and bottom of the angle, each extending 200mm along each wing such that each could be retained by the clamps nearest to the corner joint.			
Air space details	A 180mm ventilated cavity specimen and the backing b	was situated between the reverse face of each oard		

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 UK	WF 184563	EN ISO 11925-2	
Bodycote warringtonfire	Palram UK	WF 184561, 184562	EN 13823	
Bodycote warringtonfire	Palram UK	WF 185770	EN/TS 15117	

3.2 Test results

Test method &			Results		
test number	Parameter	No. tests	Continuous parameter - mean (m)	Compliance parameters	
EN ISO 11925-2	F _s	6	0	Compliant	
(30s exposure - surface)	Flaming droplets/ particles		None	Compliant	
EN ISO 11925-2 (30s exposure – edge)	F _s	6	48.3	Compliant	
	Flaming droplets/ particles		None	Compliant	
EN 13823	FIGRA _{0.2MJ}	3	21.53, 5.85	Compliant	
	FIGRA _{0.4 MJ}		21.53, 5.85	Compliant	
	THR _{600s}		1.33, 0.41	Compliant	
	LFS		N	Compliant	
	SMOGRA		7.94, 1.96	Compliant	
	TSP _{600s}		40.98, 16.17	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 products, 'Palsun, Palsun UV2, Paltuf' a family of extruded solid polycarbonate flat sheets, in relation to their reaction to fire behaviour are classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction products excluding floorings is:

Fire Behaviour		Smoke Production			Flaming Droplets	
В	-	s	1	,	d	0

i.e. B - s1, d0

Reaction to fire classification: B - s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

i) Construction applications mechanically installed without the presence of a substrate and with a minimum air gap of 180mm.





This classification is also valid for the following product parameters:

Product thickness Between 3 – 6mm
Product density No variation allowed
Product composition No variation allowed
Product construction No variation allowed
Product colour No variation allowed

5. Limitations

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

SIGNED

APPROVED

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on behalf of:

Bodycote warringtonfire

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