

Classification Report No. 7191054408-MEC13/3-LGJ
dated 29 Apr 2013



PSB Singapore

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CLASSIFICATION OF REACTION TO FIRE
IN ACCORDANCE WITH EN 13501-1:2007 +A1: 2009

Sponsor :

Greenlam Asia Pacific Pte Ltd
11 Sungei Kadut Crescent
Singapore 728683

Prepared by:

TÜV SÜD PSB Pte Ltd

Product name:

"Greenlam Laminates" High Pressure Laminate

This classification report consists of five pages and may only be used or reproduced in its entirety.



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1. Introduction

This classification report defines the classification assigned to "Greenlam Laminates" High Pressure Laminate in accordance with the procedures given in EN 13501-1: 2007+A1:2009.

2. Details of classified product

2.1. End use application

The product is "Greenlam Laminates" High Pressure Laminate used for surface covering of furniture, walls and cabinets.

2.2. Product description

The product is fully described in the test reports in support of this classification listed in clause 3.1

3. Test reports and results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report reference	Test method
TÜV SÜD PSB Pte Ltd	Greenlam Asia Pacific Pte Ltd	7191054408-MEC13/1-JV	EN 13823: 2010
TÜV SÜD PSB Pte Ltd	Greenlam Asia Pacific Pte Ltd	7191054408-MEC13/2-JV	EN ISO 11925-2: 2010

3.2. Results

Test method	Parameters	Number of tests	Test results	
			Measured parameters (mean values)	Compliance parameters for C-s1,d0
EN 13823	FIGRA _{0,2MJ} (W/s)	4	136.9	≤ 120
	FIGRA _{0,4MJ} (W/s)		85.0	
	THR _{600s} (MJ)		2.5	≤ 7.5
	LFS to edge (Yes / No)		No	No
	SMOGRA (m ² /s ²)		14.2	≤ 30
	TSP _{600s} (m ²)		37.4	≤ 50
	Flaming Droplets / Particles (sec)		No	No, within 600s
EN ISO 11925-2	Vertical flame spread (mm)	6	38.5	Fs ≤ 150mm within 60s



4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11.8.1 of EN 13501-1: 2007 +A1: 2009.

4.2. Classification

The product, "Greenlam Laminates" High Pressure Laminate, in relation to its reaction to fire behaviour meets the requirements to be classified as **C**

The additional classification in relation to smoke production is: **s1**

The additional classification in relation to flaming droplets / particles is: **d0**

Fire behaviour		Smoke production		Flaming droplets
C	-	s 1	,	d 0

Therefore, the classification of the "Greenlam Laminates" High Pressure Laminate, in accordance with EN 13501-1: 2007 +A1:2009 is:

Reaction to fire classification: C-s1, d0

4.3. End use application and product parameter

The classification in clause 4.2 only applies to the product described in clause 2 of this report and is only valid for the following parameters and applications:


- Surface covering of furniture, walls and cabinets

5.0 Limitation

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




Leong Gene-Jhou
Senior Associate Engineer


Joseph Chng
Assistant Vice President
(Fire Property)
Mechanical Centre

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July 2011

