Classification Report No. 7191202806-MEC19/3-JV
dated 28 February 2019

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

Sponsor : Woven Image Pty Ltd
37-39 Chard Rd
Brookvale NSW
Australia 2100

Prepared by: TÜV SÜD PSB Pte Ltd

Product name: 'Echopanel ®' 100% PET (60% Recycled) material (24mm thick, 131 kg/m^3)

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

TÜV SÜD PSB

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LA-2007-0380-A LA-2007-0381-F LA-2007-0382-B LA-2007-0383-G	LA-2007-0384-G LA-2007-0385-E LA-2007-0386-C LA-2010-0464-D	The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. Inspections/Calibrations/Tests marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our inspection body/laboratory.

Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: enquiries@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #02-01
Singapore 118221

1. Introduction

This classification report defines the classification assigned to 'Echopanel ®' 100% PET (60% Recycled) material (24mm thick, 131 kg/m^3) in accordance with the procedures given in BS EN 13501-1: 2007+A1:2009.

2. Details of classified product

2.1. End use application

This product 'Echopanel ®' 100% PET (60% Recycled) material (24mm thick, 131 kg/m^3) is to be used in wall, ceiling and desk screen application.

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	Woven Image Pty Ltd	7191202806-MEC19/1-JV dated 27 February 2019	BS EN 13823: 2010
TÜV SÜD PSB Pte Ltd	Woven Image Pty Ltd	7191202806-MEC19/2-JV dated 27 February 2019	BS EN ISO 11925-2: 2010

Test method	Parameters	Number of tests	Test results	
			Measured parameters (mean values)	Compliance parameters for B-s1, d0
BS EN 13823	$FIGRA_{0.2MJ}$ (W/s)	3	4.0	≤ 120
	$FIGRA_{0.4MJ}$ (W/s)		3.0	
	THR_{600s} (MJ)		0.3	≤ 7.5
	LFS to edge (Yes / No)		No	No
	SMOGRA (m^2/s^2)		2.1	≤ 30
	TSP_{600s} (m^2)		32.7	≤ 50
	Flaming Droplets / Particles (sec)		No	No
BS EN ISO 11925-2: 2010	Vertical flame spread (surface) (mm)	6	63.3	F_s ≤ 150mm within 60 sec
	Vertical flame spread (edge) (mm)	6	73.3	

"*" – denotes threshold not reached

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11 of BS EN 13501-1: 2007 +A1: 2009.

4.2. Classification

The product, 'Echopanel ®' 100% PET (60% Recycled) material (24mm thick, 131 kg/m^3), in relation to its reaction to fire behaviour meets the requirements to be classified as **B.**

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	
B	**-**	**s**	**1**	**,**	**d**	**0**

Therefore, the classification of 'Echopanel ®' 100% PET (60% Recycled) material (24mm thick, 131 kg/m^3), in accordance with BS EN 13501-1: 2007 +A1:2009 is:

Reaction to fire classification: B-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:

- Wall, ceiling and desk screen application

5.0 Limitation

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

Vikneshwaran Jayaraman
Higher Associate Engineer

Leong Gene-Jhou
Engineer
(Fire Property)
Mechanical

PSB Singapore

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July 2011