

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

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PSB Singapore

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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<sup>®</sup> 100% PET (60% Recycled) material (24mm thick, 131 kg/m<sup>3</sup>)

*Uik Ng*

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



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

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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  
**TÜV<sup>®</sup>**



**1. Introduction**

This classification report defines the classification assigned to 'Echopanel<sup>®</sup> 100% PET (60% Recycled) material (24mm thick, 131 kg/m<sup>3</sup>) 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<sup>®</sup> 100% PET (60% Recycled) material (24mm thick, 131 kg/m<sup>3</sup>) 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 <sub>0.2MJ</sub> (W/s)	3	4.0	≤ 120
	FIGRA <sub>0.4MJ</sub> (W/s)		3.0	
	THR <sub>600s</sub> (MJ)		0.3	≤ 7.5
	LFS to edge (Yes / No)		No	No
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		2.1	≤ 30
	TSP <sub>600s</sub> (m <sup>2</sup> )		32.7	≤ 50
	Flaming Droplets / Particles (sec)		No	No
BS EN ISO 11925-2: 2010	Vertical flame spread (surface) (mm)	6	63.3	F <sub>s</sub> ≤ 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<sup>®</sup> 100% PET (60% Recycled) material (24mm thick, 131 kg/m<sup>3</sup>), 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>B</b>	-	<b>s</b>	<b>1</b>	,	<b>d</b>	<b>0</b>

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

**Reaction to fire classification: B-s1,d0**



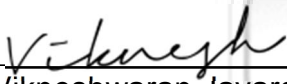
### 4.3. End use application and product parameter


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:

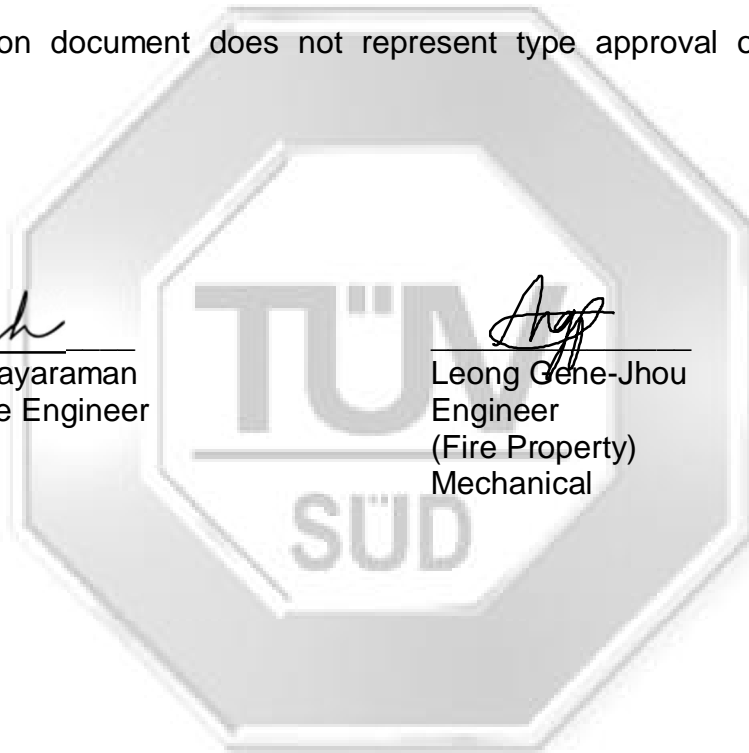
- Wall, ceiling and desk screen application

### 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





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July 2011

