

Classification Report No. 7191202806-MEC19/3-JV_CR1
dated 28 February 2019
(re-issue dated 07 Oct 2025)

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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/m³)

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

Amendment (07 Oct 2025)

On page 2 under Product description and page 4 under End use application and product parameter, further information on the product and its field of application has been included.



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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TÜV[®]



1. Introduction

This classification report defines the classification assigned to 'Echopanel[®] 100% PET (60% Recycled) material (24mm thick, 131 kg/m³) 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/m³) is to be used in wall, ceiling and desk screen application.

2.2. Product description

Brand: Echopanel[®]
Generic product name: EchoPanel[®] 24mm
Country of origin: Australia
Thickness: 24mm
Area density: 3000 g/m²
Surface tested: Col. 542 Charcoal

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

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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	

4. Classification and field of application

4.1. Reference of classification

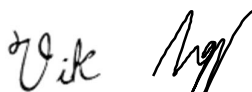
This classification has been carried out in accordance with clause 11 of BS EN 13501-1: 2007 +A1: 2009.

4.2. Classification

The product, 'Echopanel[®] 100% PET (60% Recycled) material (24mm thick, 131 kg/m³), 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/m³), 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 end use applications and product parameters:

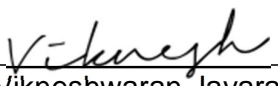
- Construction products, excluding floorings and thermal pipe insulation products.
- Mounted directly onto a substrate with density greater than equal to 870 kg/m³, minimum thickness of 12mm and fire performance of A2-s1, d0 or better (excluding a paper-faced gypsum plasterboard).
- Mounted to substrate with screws.
- No air gap.
- No horizontal or vertical joints.
- Edges: exposed or covered
- Product thickness: No variation allowed
- Product mass per unit area: No variation allowed
- Product colour/pattern: Col. 542 Charcoal
- Product composition: No variation allowed

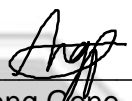
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5.0 Limitation

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

