

Classification Report No. 7191271569-MEC21/03-JV
dated 26 Nov 2021

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PSB Singapore

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

Sponsor:

Eco Building Solutions Pte Ltd
1 Sunview Road
#05-46, Eco Tech @ Sunview
Singapore 627615

Prepared by:

TÜV SÜD PSB Pte Ltd

Product name:

Brand: "Lightherm" Model: "Lightherm Drymix – Lightweight Thermal Insulation Material" (52mm thick, 522.1 kg/m³) insulation material

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
LA-2018-0702-B
LA-2018-0703-G
LA-2020-0747-L

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TÜV®

1. Introduction

This classification report defines the classification assigned to Brand: "Lightherm" Model: "Lightherm Drymix – Lightweight Thermal Insulation Material" (52mm thick, 522.1 kg/m³) insulation material 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, Brand: "Lightherm" Model: "Lightherm Drymix – Lightweight Thermal Insulation Material" (52mm thick, 522.1 kg/m³) insulation material, is to be used for lightweight thermal insulation.

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	Eco Building Solutions Pte Ltd	7191271569-MEC21/01-JV dated 26 Nov 2021	BS EN ISO 1716: 2010
TÜV SÜD PSB Pte Ltd	Eco Building Solutions Pte Ltd	7191271569-MEC21/02-JV dated 26 Nov 2021	BS EN ISO 1182: 2010

3.2. Results

Test method	Parameters	Number of tests	Test results	
			Continuous parameters (mean values)	Compliance parameters for A1
BS EN ISO 1716	PCS (MJ/kg)	3	0.48	≤ 2.0
BS EN ISO 1182	ΔT (°C)	5	2.3	≤ 30
	Δm (%)		19.68	≤ 50
	T _i (sec)		0	0





4. Classification and field of application

4.1. Reference of classification

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

4.2. Classification

The product, Brand: "Lightherm" Model: "Lightherm Drymix – Lightweight Thermal Insulation Material" (52mm thick, 522.1 kg/m³) insulation material, in relation to its reaction to fire behaviour meet the requirements to be classified as **A1**.

Therefore, the classification of the Brand: "Lightherm" Model: "Lightherm Drymix – Lightweight Thermal Insulation Material" (52mm thick, 522.1 kg/m³) insulation material, in accordance with BS EN 13501-1: 2007 +A1: 2009 is:

Reaction to fire classification: A1

A handwritten signature in black ink, appearing to read 'Vik' followed by a stylized name.

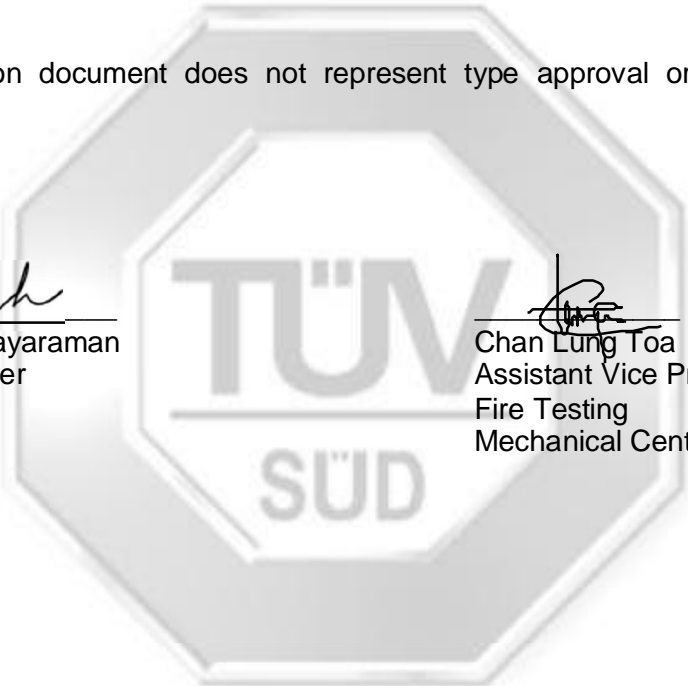
4.3. End use application and product parameter

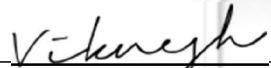
The classification in clause 4.2 only applies to the product described in clause 2 of this report and is only valid for the following parameters and applications:


- Lightweight thermal insulation

5.0 Limitation

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




Vikneshwaran Jayaraman
Assistant Manager


Chan Lung Toa
Assistant Vice President
Fire Testing
Mechanical Centre

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Effective 26 January 2021

