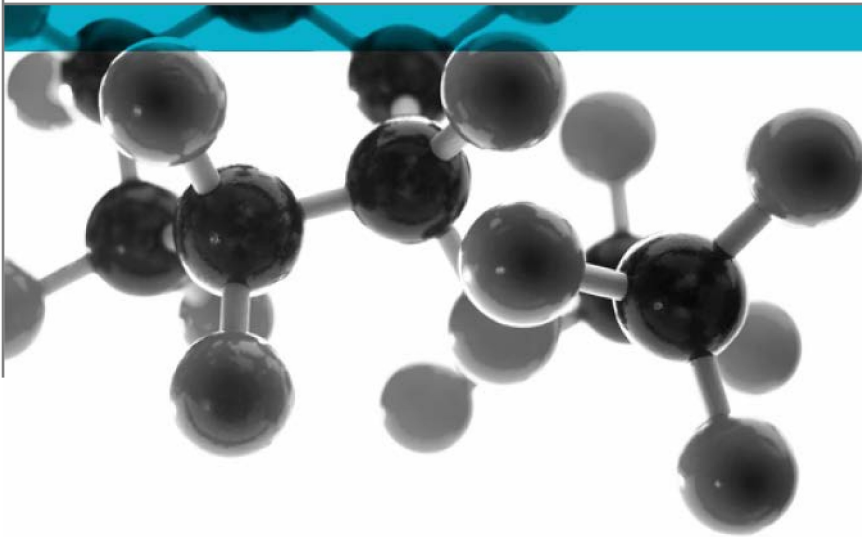


# EN 45545-2: 2013 + A1:2015



## Summary Test Report – Requirement Table 5 (R1 & R7)

**Test Method References “T02” (ISO 5658-2:2006+A1:2011. Spread of Flame - Lateral Spread of flame test on Building and Transport Products in Vertical Configuration), “T03.01” (ISO 5660-1: 2015; Heat release rate (Cone Calorimeter Method) & Smoke Production Rate (Dynamic Measurement), “T10.01” / “T10.02” / “T10.04” (ISO 5659-2: 2017; Plastics – Smoke Generation. Part 2 Determination of Optical Density by a Single Chamber Method) and “T11.01” (Gas Analysis in the Smoke Box EN ISO 5659-2, using FTIR Technique)**

A Report To: Smyth Composites Ltd

Document Reference: 422294

Date: 28<sup>th</sup> January 2020

Issue No.: 1

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## Executive Summary

### Objective

To assess the results of tests performed in accordance with methods T02, T03.01, T10.01 / T10.02 / T10.04 and T11.01 as defined in EN 45545-2: 2013 + A1:2015 at an irradiance level of 50kW/m<sup>2</sup> without a pilot flame, on specimens of a product and to provide an opinion of compliance with the requirements for R1 & R7, as defined in EN 45545-2: 2013 + A1:2015.

Generic Description		Product reference	Thickness	Weight per unit area
Coated fibre reinforced phenolic resin sheet		"Phenclad"	3.5mm	3.4kg/m <sup>2</sup>
<b>Individual components used to manufacture composite:</b>				
Coating		"AE 265/8"	Unable to provide	Unable to provide
Moulded sheet	Phenolic resin	"Cellobond"	Not applicable	Not applicable
	Fibre reinforcement	"Dong Yu"	Not applicable	2 x 600g/m <sup>2</sup>
<b>Please see page 6 of this test report for the full description of the product tested</b>				

### Test Sponsor


Smyth Composites Ltd, Panmure Industrial Estate, Carnoustie, Angus, DD7 7NP

### Opinion


We consider the results of the tests confirmed in reports referenced 422291, 422292 & 422293 to the test methods detailed above demonstrate that the product, as tested, complies with the requirements of R1 (detailed in Table 5 of EN 45545-2: 2013 + A1:2015) for a HL1, HL2 and HL3 Hazard Level Classification.

We consider the results of the tests confirmed in reports referenced 422291, 422292 & 422293 to the test methods detailed above demonstrate that the product, as tested, complies with the requirements of R7 (detailed in Table 5 of EN 45545-2: 2013 + A1:2015) for a HL1, HL2 and HL3 Hazard Level Classification.

## Signatories



Responsible Officer  
S. Jones \*  
Technical Officer



Authorised  
T. Mort \*  
Senior Technical Officer

\* For and on behalf of [Warringtonfire](#).

Report Issued: 28<sup>th</sup> January 2020

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Author:	S. Jones	Issue Date:	28 <sup>th</sup> January 2020
Client:	Smyth Composites Ltd.	Issue No.:	1