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<b>Report Sponsor</b>	<b>Issue Date</b>
PalmEco Tech Australia Pty Ltd 4/77 Connells Point Road South Hurstville NSW 2221	28 <sup>th</sup> February 2012

**Test in accordance with AS 1530.1 - 1994**

<b>Objective</b>
To determine the performance of the material samples as described in this report when subjected to the test conditions stated in the test standard referenced below.

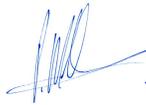
<b>Product</b>	PalmEco Fire Board
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<b>Test Reference</b>	<b>Reference Date</b>
FNC10417	13 <sup>th</sup> February 2012

<b>Test Method</b>	<b>Supplementary Standards</b>
AS 1530.1 - 1994 Part 1: Combustibility test for materials	Nil

**Product Description**

The sponsor described the material as a 4-layered, 12mm thick board comprising of a mixture of Magnesium Oxide, Palm Fibre, Magnesium Chloride, Perlite and two layers of reinforced glass-fibre mesh close to the surface on both sides of the panel. The layers were held together with fine steel wires. Each layer of material was nominally 12mm thick with a nominal density of 1100 kg/m<sup>3</sup> and was coloured beige with a smooth surface finish on one side. EWFA personnel were not involved with the selection or preparation of these test specimens. Before conducting these tests the test specimens were conditioned in a ventilated oven maintained at a temperature of 60±5 °C for at least 20 and no more than 24 hours. Prior to conducting these tests the samples were cooled to room temperature in a desiccator.

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<b>Authorisation</b>	Prepared By:  Reviewed By:  J. D. Richardson. P. F. Motteram

**Test Results**

Mean furnace temperature rise	40.3 °C
Mean specimen centre thermocouple temperature rise	92.0 °C
Mean specimen surface thermocouple temperature rise	45.9 °C
Mean duration of sustained flaming	0 seconds
Mean mass loss	45.1%

**Criteria of Combustibility**

Clause 3.4 of AS1530.1:1994 defines a combustible material as one for which; the duration of sustained flaming, as determined by summing the individual durations of flaming of 5 seconds or longer for all of the samples and dividing by five, is greater than zero, or the arithmetic mean of the temperature rise of the furnace thermocouple exceeds 50°C or the arithmetic mean of the specimen surface thermocouple temperature rise exceeds 50°C.

**Comments**

The tests were conducted on February 3<sup>rd</sup> 2012. The material is NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS1530.1:1994

**Conditions/Validity**

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These tests have been conducted in accordance with the test standard referenced above and this report should be read in conjunction with that standard.

This test report does not provide an endorsement by Exova Warringtonfire Aus Pty Ltd of the performance of the actual products supplied. The tests were performed at CSIRO laboratories under the technical control of Exova Warringtonfire Aus Pty Ltd. These test results relate only to the behaviour of the material under the conditions of the test and are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.