

# Certificate of Assessment

NK7054

No. 1871

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This is to certify that the specimen described below was tested by the CSIRO Division of Materials Science and Engineering in accordance with Australian/ New Zealand Standard 3837, Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter, 1998, at 50 kW/m<sup>2</sup>, on behalf of:

Ashden Trading Pty Ltd  
Unit 9/10 Burnside Road  
ORMEAU QLD 4208  
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNK 10953.

**SAMPLE IDENTIFICATION:** Gen-Eco Balite

**DESCRIPTION OF SAMPLE:** The sponsor described the tested specimen as laminated panel with medium-density fibreboard (MDF) facings on both sides, having an end-grain Balsa wood core. The panel is comprised of the following layers:

Layer 1: 3-mm thick MDF;  
Layer 2: 32-mm thick end-grain Balsa wood core;  
Layer 3: 3-mm thick MDF.

The layers were adhered together using Akzo Nobel fast-setting polyvinyl alcohol (PVA) adhesive at application rates of 200 g/m<sup>2</sup> and 110 g/m<sup>2</sup> for Balsa core and MDF laminate, respectively.


Nominal thickness of MDF facing: 3-mm  
Nominal thickness of Balsa core: 32-mm  
Nominal total thickness: 38-mm  
Nominal mass of MDF: 2280 g/m<sup>2</sup>  
Nominal mass of Balsa core: 3840 g/m<sup>2</sup>  
Colour: timber (light brown)

**SAMPLE CLASSIFICATION:** Group Number: Group 3  
(In accordance with Specification A2.4 of the Building Code of Australia.)

Average specific extinction area: 22.6 m<sup>2</sup>/kg  
(Refer to Specification C1.10 section 4(c) of the Building Code of Australia.)

Testing Officer: Heherson Alarde Date of Test: 4 October 2013

Issued on the 18<sup>th</sup> day of October 2013 without alterations or additions.

  
Brett Roddy  
Team Leader, Fire Testing and Assessments



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