

# Certificate of Test

Quote No.: NR8403

No. FNR12594C

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This is to certify that the specimen described below was tested by CSIRO Infrastructure Technologies in accordance with Australian Standard ISO 9239, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat source, 2003, on behalf of:

Green Resources Material Australia Pty Limited  
Unit 2, 74-80 Helen Street  
SEFTON NSW 2162  
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNR 12594.

## SAMPLE

**IDENTIFICATION:** Biowood Spotted Gum Sanded Decking

## DESCRIPTION OF

### SAMPLE:

The sponsor described the tested specimen as a wood plastic composite (WPC) decking board with a timber framed underlay. The WPC decking board was comprised of wood fibres, un-plasticized polyvinyl chloride (uPVC), pigment and proprietary additives. The WPC board contained a hollow ribbed cross-section. The T3 pine perimeter frame underlay was comprised of two pieces of 70-mm x 30-mm x 1050-mm planks fixed into four intermediate pieces of 70-mm x 30-mm x 58-mm struts at 385-mm centres from the short edges of the specimen.

The WPC decking board consisted of two 102-mm x 28-mm x 1050-mm slats fixed together using four T-shaped polyvinyl chloride (PVC) connectors. The T-shaped PVC connectors was fixed into the four intermediate T3 pine struts using screws at 385-mm centres from the short edges of the specimen. The WPC board and timber frame underlay is held together by the four T-shaped PVC connectors.

Nominal thickness of WPC board:	28 mm
Nominal thickness of pine underlay:	70 mm
Nominal thickness of PVC connectors:	15 mm (measured)
Nominal total thickness:	98 mm
Nominal total mass:	33.86 kg/m <sup>2</sup> (measured)
Colour:	brown (spotted gum pattern)

Note: The test results were based on the samples cut in the longitudinal direction.

## TEST PROCEDURE:

Samples were tested in accordance AS ISO 9239; Australian Standard, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat ignition source, 2003. Four (4) samples were tested in accordance with AS 9239.1-2003.

## SAMPLE

### CLASSIFICATION:

Mean distance of flame travel:	130 mm
Average Critical Radiant Flux:	10.2 kW/m <sup>2</sup>
Average integrated smoke value:	71 % x min

These test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Testing Officer: Faustín Molina Date of Test: 23 June 2020

Issued on the 7<sup>th</sup> day of July 2020 without alterations or additions.



Stephen Smith  
Team Leader, Reaction to Fire & Façade Fire Laboratory

End of Report



NATA Accredited Laboratory

Number: 165

Corporate Site No 3625

Accredited for compliance with ISO/IEC 17025 - Testing.

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