

# Certificate of Assessment

NK6258

No 1440

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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 Standard 3959:2009 Construction of Buildings in bushfire-prone areas Appendix F, on behalf of:

Trend Shield Australia Pty Ltd trading as Fire Defender  
13 Burwood Terrace  
CLONTARF QLD  
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNK 9900.

**SAMPLE IDENTIFICATION:** Fire Defender – Timber Defence

**DESCRIPTION OF SAMPLE:**

The sponsor described the tested specimen as two heavy coats of clear liquid Fire Defender Timber Defence fire retardant applied to Radiata Pine natural timber.

Nominal total thickness: 38 mm  
Nominal mass: 18.5 kg/m<sup>2</sup>  
Colour: clear coating over natural timber (light brown)

**TEST RESULT:**


Maximum Heat Release Rate 67.1 kW/m<sup>2</sup>  
Average Heat Release Rate: 18.7 kW/m<sup>2</sup>

The specimen satisfies the requirement for bushfire-resisting timber specified in AS 3959:2009 Construction of Buildings in bushfire-prone area Appendix F.

The specimen has not been subjected to the weathering procedure of ASTM D 2898 Method B as specified by Appendix F F2(b) of AS 3959. At the discretion of the regulatory authority this material may be approved for use in situations where it is protected from the weather as referenced in Appendix F F2(b) of AS 3959.

Testing Officer: Heherson Alarde Date of Test: 23 August 2010

Issued on the 21<sup>st</sup> day of September 2010 without alterations or additions.

  
Garry E Collins  
Manager, Fire Testing and Assessments



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