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| EWFA Test Report No. | 517970-00a.3 | Page 1 of 2 |
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| Report Sponsor | Issue Date |
|--|-------------------|
| Timberwood Panels Pty Ltd 76-106 National Blvd, Campbellfield VIC 3061 | 02/11/17 |

Test In accordance with AS/NZS 3837-1998

Revision to Original Test Report

This is the third edition of this test report. The amendment to the first edition was a change of company address. The amendment to the second edition was a change of product name at the test sponsor's request.

Objective

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



| | |
|----------------|--|
| Product | "Timberwood Panels OSB Light", an uncoated oriented strand board |
|----------------|--|

| | |
|-----------------------|--------------------------------|
| Test Reference | Reference Date |
| EWFA 51797000a 3 | 24 th November 2017 |

| | |
|---|--------------------------------|
| Test Method | Supplementary Standards |
| AS/NZS 3837-1998 This report should be read in conjunction with this standard. | BSEN 13238-2001 |

Product Description

The three specimens tested were 99.5 mm by 99.9 mm by 11.6 mm thick samples of a OSB Timber, nominate by the test sponsor as "Timberwood Panels OSB Light", an uncoated oriented strand board. These material samples were manufactured by the sponsor of this test to form small plaques nominally 11.6 mm thick and having a nominal density of 685 kg/m³. The test specimens were supplied fully prepared for testing by the test sponsor and EWA personnel were not involved with either the selection or preparation of these test specimens. Prior to testing, the specimens were conditioned in accordance with BSEN 13238-2001 at a temperature of 23 ± 2 °C and relative humidity of 50 ± 5% for a continuous period of more than 48 hours.

| | | |
|--------------------------|---|--|
| TESTING AUTHORITY | Exova Warringtonfire Aus Pty Ltd | |
| | Address PO Box 4282 DANDENONG SOUTH VIC 3164 Unit 2, 409-411 Hammond Road DANDENONG VIC 3175 | |
| | Phone / Fax 61 (0)3 9767 1000 / 61 (0)3 9767 1001 | |
| | ABN 81 050 241 524 | |
| | Email / Home Page www.exova.com | |
| Authorisation | Prepared By:  J. Richardson. | Reviewed By:  C. McLean |

Test Results

A summary of the results obtained from three tests of specimens taken from specimens numbered EWFA-CC-696 to EWFA-CC-705 is given below.

| | Specimen | | | Mean | Units |
|---------------------------------------|----------|-------|-------|-------|---------------------|
| | One | Two | Three | | |
| Irradiance | 50 | 50 | 50 | 50 | kW/m ² |
| Exhaust Flow Rate | 24 | 24 | 24 | 24 | l/sec |
| Time to Sustained Flaming | 30 | 30 | 34 | 31 | secs |
| Test Duration | 2730 | 2915 | 2875 | 2840 | secs |
| Peak Heat Release Rate after Ignition | 286.0 | 279.5 | 313.5 | 293.0 | kW/m ² |
| Average Heat Release Rate @ 60s | 122.3 | 122.1 | 131.2 | 125.2 | kW/m ² |
| Average Heat Release Rate @180s | 146.0 | 145.9 | 147.9 | 146.6 | kW/m ² |
| Average Heat Release Rate @ 300s | 141.9 | 141.2 | 141.8 | 141.6 | kW/m ² |
| Total Heat Released | 155.6 | 166.4 | 170.7 | 164.2 | MJ/m ² |
| Average Effective Heat of Combustion | 16.9 | 17.0 | 17.6 | 17.2 | MJ/kg |
| Initial Thickness | 12.0 | 12.0 | 12.0 | 12.0 | mm |
| Initial Mass | 78.5 | 83.8 | 85 | 82.4 | grams |
| Mass Remaining | 3.8 | 4.5 | 5.6 | 4.6 | grams |
| Mass Percentage Pyrolysed | 95.1 | 94.7 | 93.4 | 94.4 | % |
| Average Rate of Mass Loss | 3.4 | 3.4 | 3.4 | 3.4 | g/m ² /s |
| Average Specific Extinction Area | 38.5 | 32.6 | 40.5 | 37.2 | m ² /kg |

Throughout each test the specimens were subjected to a constant radiant heat flux of 50kW/m².

Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescent sample within the sample holder.

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for the assessment of performance under real fire conditions. However, the results of these tests may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Conditions/Validity

These tests have been conducted in accordance with the standard referenced above and this report should be read in conjunction with that standard. The tests were performed at AWTA laboratories under the technical control of Exova Warringtonfire Aus Pty Ltd. This test report does not provide an endorsement by Exova Warringtonfire Aus Pty Ltd of the performance of the actual products supplied.