

## TECTONIC FLOORING SYSTEM

# Flame Testing

By EXOVA WARRINGTONFIRE AUS Pty Ltd

EWFA Test Report No. 24970-00.1

REPORT SPONSOR	ISSUE DATE
Bureau Veritas HSE Pty Ltd, Unit 3, 435 Williamstown Road, Port Melbourne, VIC 3207	6th December 2010

*Test in accordance with AS ISO 9239.1 - 2003*

### 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

Oak Veneered flooring

TEST REFERENCE	REFERENCE DATE
EWFA 2497000	6th December 2010

TEST METHOD	SUPPLEMENTARY STANDARDS
As ISO 9239.1 - 2003 Reaction to fire tests floorings Part 1 : Determination of the burning behaviour using a radiant heat source.	BSEN 13238-2001

### PRODUCT DESCRIPTION

The specimens tested consisted of 1049mm long by 230mm wide by 17mm thick sections of Oak veneered flooring affixed to a stone aggregate base. These test specimens were supplied for testing by the sponsor of this test and arrived at the testing laboratory on the 9th November 2010 and were tested on 30th November 2010. The material had a nominal density of 17.41 kg/m<sup>2</sup>. EWA personnel were not involved with the selection or preparation of these test specimens. Prior to conducting these tests each specimen was conditioned in accordance with BSEN 13238-2001 at the temperature of 23 +/-2 deg C and relative humidity of 50 +/-5% for a continuous period of more than 48 hours. The specimens were initially tested in both the longitudinal or warp direction and the transverse or weft direction. A further two specimens were then tested in the longitudinal or warp direction.

<b>TESTING AUTHORITY</b>	Exova Warringtonfire Aus Pty Ltd	
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Authorisation	Prepared By:	Reviewed By:

## TEST RESULTS

### CHF (Critical Heat flux / Critical Radiant Flux)

	1	2	3	Mean	
<b>LENGTH (WARP)</b>	5.4	6.3	5.8	5.8	kW m <sup>-2</sup>
<b>WIDTH (WEFT)</b>	6.4	-	-	-	kW m <sup>-2</sup>

### Smoke Value

	1	2	3	Mean	
<b>LENGTH (WARP)</b>	6	4	8	6	%min
<b>WIDTH (WEFT)</b>	8	-	-	-	%min

\* **Comments:** The specimens were observed to glow. Each specimen was clamped as supplied by client prior to testing.

## CONDITIONS / VALIDITY

This report may only be reproduced in full. Extracts or abridgements shall not be published without permission of Exova Warringtonfire Aus Pty Ltd.

These tests have been conducted in accordance with the 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 AWTA laboratories under the technical control of Exova Warringtonfire Aus Pty Ltd.

The 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.