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Australia

EWFA Test Report No.	27906-00a.1	Page 1 of 2
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Report Sponsor	Issue Date
Ventech, 32 Thornycroft Street, Campbellfield VIC 3061	17/12/12

Test In accordance with AS/NZS 3837-1998

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


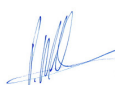
Product	Ventech Black Cinder FR MDF with Eucalypt (<i>Eucalyptus globulus</i>) veneer.
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Test Reference	Reference Date
EWFA 2790600	December 17 th , 2012

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 98.9mm by 98.9mm by 13.0mm thick samples of Ventech Black Cinder MDF, an FR treated MDF with a Eucalypt (*Eucalyptus globulus*) veneer coated in a water borne coating, as stated by the test sponsor. These material samples were manufactured by the sponsor of this test to form small plaques nominally 13.0mm thick and having a nominal mass per unit area of 10.46 kg/m². 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 deg C and relative humidity of 50 +/- 5% for a continuous period of more than 48 hours.

TESTING AUTHORITY	Exova Warringtonfire Aus Pty Ltd
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Authorisation	Prepared By:  J. Richardson. Reviewed By:  P. F. Motteram

Test Results

A summary of the results obtained from three tests from specimens numbered ewa-cc-856, specimen 1, ewa-cc-853, specimen 2 and ewa-cc- 855, specimen 3, respectively, 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	28	29	29	29	secs
Test Duration	360	324	340	341	secs
Peak Heat Release Rate after Ignition	136.9	137.1	133.8	136.0	kW/m ²
Average Heat Release Rate @ 60s	97.7	104.8	103.9	102.1	kW/m ²
Average Heat Release Rate @180s	80.2	70.3	81.8	77.4	kW/m ²
Average Heat Release Rate @ 300s	57.5	48.5	59.7	55.2	kW/m ²
Total Heat Released	17.8	14.2	18.1	16.7	MJ/m ²
Average Effective Heat of Combustion	5.6	5.1	6.2	5.6	MJ/kg
Initial Thickness	12.0	12.0	12.0	12.0	mm
Initial Mass	104.9	104.0	101.2	103.4	grams
Mass Remaining	79.0	81.4	77.1	79.2	grams
Mass Percentage Pyrolysed	24.7	21.7	23.8	23.4	%
Average Rate of Mass Loss	9.6	9.5	9.5	9.5	g/m ² /s
Average Specific Extinction Area	17.6	18.8	16.0	17.5	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 contain the 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.