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Report Sponsor	Issue Date
Proform Products Pty Ltd 18 Cusack Road, Malaga, WA, 6090	4/11/11

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	Plastic Extruded Eco Panel (Proaqua™), comprised of PVC resin and wood powder composite.
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Test Reference	Reference Date
EWFA 2647600a	4 th November 2011

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 99.7mm by 99.7mm by 17.9mm thick samples of Plastic Extruded Eco Panel (Proaqua™), comprised of PVC resin (66%) wood powder (11%) composite material. These material samples were manufactured by the sponsor of this test to form small plaques nominally 17.9mm thick and having a nominal density of 600 kg/m ³ . 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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	Reviewed By:  K. G. Nicholls

Test Results

Full details of the test results obtained from these three tests obtained from testing samples numbered bwa-cc-621, specimen 1, bwa-cc-619, specimen 2 and bwa-cc- 624, specimen 3, respectively, and a summary of these test details are 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	33	32	35	33	secs
Test Duration	1016	1048	972	1012	secs
Peak Heat Release Rate after Ignition	144.4	143.2	140.4	142.6	kW/m ²
Average Heat Release Rate @ 60s	122.3	114.3	115.3	117.3	kW/m ²
Average Heat Release Rate @180s	123.3	122.5	117.5	121.1	kW/m ²
Average Heat Release Rate @ 300s	117.4	118.3	113.3	116.3	kW/m ²
Total Heat Released	79.1	83.4	78.6	80.4	MJ/m ²
Average Effective Heat of Combustion	10.7	10.7	10.4	10.6	MJ/kg
Initial Thickness	18.0	18.0	18.0	18.0	mm
Initial Mass	105.4	109.2	108.4	107.7	grams
Mass Remaining	44.0	45.3	45.8	45.0	grams
Mass Percentage Pyrolysed	58.3	58.5	57.7	58.2	%
Average Rate of Mass Loss	7.5	7.7	8.1	7.8	g/m ² /s
Average Specific Extinction Area	736.3	769.6	847.3	784.4	m ² /kg

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

A wire grid was placed over the specimens during testing to contain the intumescent sample whilst being tested.

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.