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EWFA Test Report No.	414179-02.1	Page 1 of 2
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Report Sponsor	Issue Date
Knotwood Pty Ltd 3/93 Burnside Road, Stapylton QLD 4207	August 31 st , 2016

Test in accordance with AS/NZS 1530.1 - 1994

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	Knotwood Aluminium.
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Test Reference	Reference Date
FNC11764	August 29 th , 2016

Test Method	Supplementary Standards
AS/NZS 1530.1:1994 Part 1: Combustibility test for materials	Nil

Product Description

The sponsor described the material as Knotwood Aluminium. The samples were 45.0mm in diameter and 50.1mm high, the material had a nominal density of 2703 kg m⁻³. EWFA personnel were not involved with the selection or preparation of these test specimens. Before conducting these tests the test specimens were conditioned in a ventilated oven maintained at a temperature of 60±5°C for at least 20 and no more than 24 hours. Prior to conducting these tests the samples were cooled to room temperature in a desiccator.

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Test Results

Mean furnace temperature rise	9.2°C
Mean specimen centre thermocouple temperature rise	9.8°C
Mean specimen surface thermocouple temperature rise	6.8°C
Mean duration of sustained flaming	0 seconds
Mean mass loss	0.24%

Criteria of Combustibility

Clause 3.4 of AS1530.1:1994 defines a combustible material as one for which; the duration of sustained flaming, as determined by summing the individual durations of flaming of 5 seconds or longer for all of the samples and dividing by five, is greater than zero, or the arithmetic mean of the temperature rise of the furnace thermocouple exceeds 50°C or the arithmetic mean of the specimen surface thermocouple temperature rise exceeds 50°C.

Comments

The material is NOT deemed COMBUSTIBLE according to the test criteria specified in Clause 3.4 of AS1530.1:1994.

An alternative suitable insulating material was used to fill the annular space between the furnace tubes, as specified in Clause 4.2 of ISO 1182:2010.

Conditions/Validity

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These tests have been conducted in accordance with the test 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 CSIRO laboratories, at the request of Exova Warringtonfire Aus Pty Ltd. These test results relate only to the behaviour of the material under the conditions of the test and are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.