

Exova Warringtonfire Aus Pty Ltd
Unit 2, 409-411 Hammond Road
Dandenong, Victoria 3175
Australia

T: +61 (0)3 9767 1000
F: +61 (0)3 9767 1001
W: www.exova.com

Postal Address:
PO Box 4282
Dandenong South, Victoria 3164
Australia



EWFA Test Report No. 365312-00.1 **Page 1 of 2**

Report Sponsor	Issue Date
Nasahi Building Materials Australia Pty Ltd, 1331 Stud Road, Rowville VIC 3178	August 25 th , 2015

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.


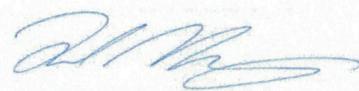
Product	Autoclaved Lightweight Aerated Concrete
---------	---

Test Reference	Reference Date
FNC11463	August 18 th , 2015

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

Product Description

The sponsor described the material as an autoclaved lightweight aerated concrete. Each sample was nominally 49.7mm thick with a nominal density of 503.16 kg/m³. 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.

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. M. McLean

Test Results

Mean furnace temperature rise	2.8 °C
Mean specimen centre thermocouple temperature rise	1.4 °C
Mean specimen surface thermocouple temperature rise	1.2 °C
Mean duration of sustained flaming	0 seconds
Mean mass loss	12.24%

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

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 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 under the technical control 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.