



EWFA Test Report No.	50738800.3	Page 1 of 2
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Report Sponsor	Re-Issue Date
Brickworks Ltd 738-780 Wallgrove Road Horsley Park, NSW, 2175	23 rd August, 2018

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.

Revised Report
This is the third version of the test report. The second version was issued on 09/04/2018. The amendment to the second version was a change of the product description as requested by the test sponsor. The first version was issued on 04/04/2018. The amendment to the first version was a change of the product description as requested by the test sponsor.

Product	Fired Clay Brick – Austral Bricks 'Shiraz' brick
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Test Reference	Reference Date
50738800	6 th February, 2018

Test Method	Supplementary Standards
AS 1530.1:1994 Part 1: Combustibility test for materials	ISO 1182:2010

Product Description
The sponsor described the material as a Fired Clay Brick – Austral Bricks 'Shiraz' brick. The sponsor described the material as being an unglazed fired clay comprising of crystalline silica, alumina silicate, metal oxides and non-hazardous ingredients. The material had a nominal density of 2102kg m ⁻³ . EWFA personnel were not involved with the selection and 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	1.0°C
Mean specimen centre thermocouple temperature rise	0.2°C
Mean specimen surface thermocouple temperature rise	0.8°C
Mean duration of sustained flaming	0 seconds
Mean mass loss	0.18%

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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The tests were performed at CSIRO laboratories at the request 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. These test results relate only to the behaviour of the material under the particular conditions of the test and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.