

Agnew International Group

TEST REPORT

SCOPE OF WORK

MAGNESIUM OXIDE BOARD

REPORT NUMBER

230918009SHF-001

TEST DATE(S)

2023-09-18 - 2023-09-22

ISSUE DATE

2023-09-25

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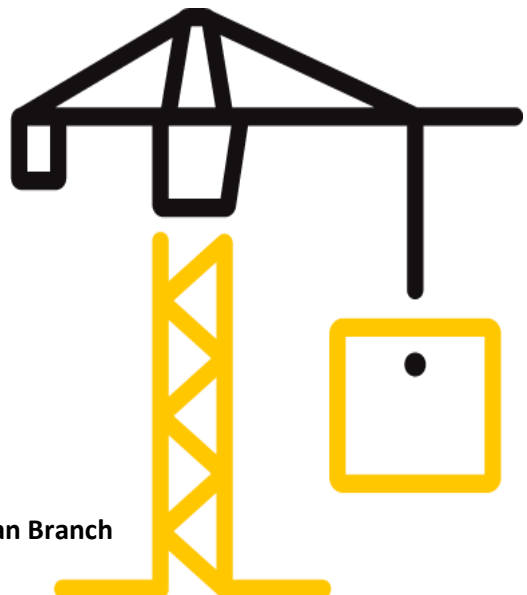
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DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2023-09-25

Intertek Report No. 230918009SHF-001

Test Items, Method and Results:

Test method: AS1530.1-1994(R2016) Method for fire tests on building materials, components and structures Part 1: Combustibility test for materials

1.1 COMBUSTIBILITY TEST FOR MATERIALS

This test evaluates the combustibility performance of products in a vertical tube at $750\pm 5^\circ\text{C}$.

1.2 CRITERIA OF COMBUSTIBILITY

A material shall be deemed to be combustible under any of the following circumstances:

(a) The mean duration of sustained flaming, as determined in accordance with Clause 3.2 of AS 1530.1-1994(R2016), is other than zero.

(b) The mean furnace thermocouple temperature rise, as determined in accordance with Clause 3.1 of AS 1530.1-1994(R2016), exceeds 50°C .

(c) The mean specimen surface thermocouple temperature rise as determined in accordance with Clause 3.1 of AS 1530.1-1994(R2016), exceeds 50°C .

2 RESULTS AND OBSERATIONS

Construction of the test specimen: The specimens were cylinder with a diameter of 45mm and a height of 48mm.

The test results were shown in Table below.

Parameter	Result
Mean furnace thermocouple temperature rise ΔT_f ($^\circ\text{C}$)	1.4
Mean specimen centre thermocouple temperature rise ΔT_c ($^\circ\text{C}$)	0.1
Mean specimen surface thermocouple temperature rise ΔT_s ($^\circ\text{C}$)	1.5
Mean duration of sustained flaming (s)	0
Mean mass loss (%)	31.5

Combustibility: NOT DEEMED COMBUSTIBLE.

Note:

The test results relate only to the behavior of the test specimens 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.



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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes
230918009SHF-001	2023-09-25	First issue

