JINCHENG MAGNESIUM

TEST REPORT

SCOPE OF WORK
MgO Board

REPORT NUMBER
210601012SHF-001

TEST DATE(S)
2021-06-01 - 2021-06-11

ISSUE DATE
2021-06-15

PAGES
5

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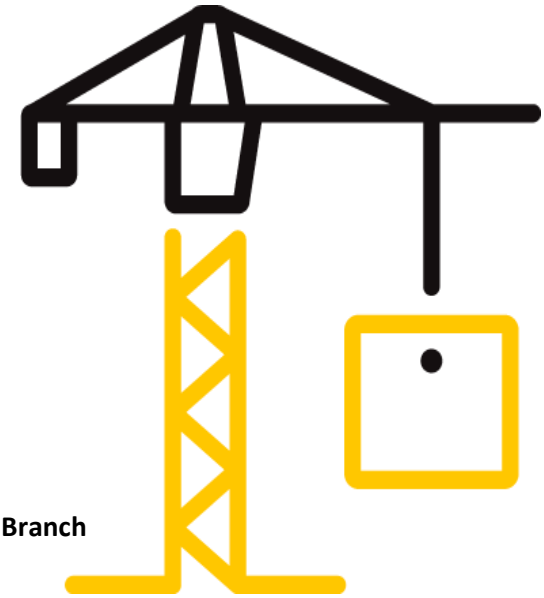

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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Test Report

Issue Date: 2021-06-15 Intertek Report No. 210601012SHF-001

Applicant: JINCHENG MAGNESIUM MATRIX (JIANGSU) INTERNATIONAL TRADE CO., LTD

Address: NO.9 DAIWANG ROAD OF HIGH TECH INDUSTRIAL ZONE OF CHENGDONG, TAIXING CITY, JIANGSU PROVINCE.

Attn: DAVID ZHAO

Test Type： Performance test, samples were selected by Intertek B&C personnel

Product Information

Product Name	MgO Board	**Brand**	MagMatrix
Sample Description	Good Condition	**Sample Amount**	6 pcs
		Received Date	2021-06-01

Sample ID	Model	Specification
S210601012SHF.001	/	12mm

Test Methods And Standards

Test Standard	ASTM E136-19a Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C, Option A
Specification Standard	ASTM E136-19a
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:
1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized

Name: Harrison Li
Title: Reviewer

Name: Jay Gong
Title: Project Engineer

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Test Report

Issue Date: 2021-06-15 Intertek Report No. 210601012SHF-001

Test Items, Method and Results:

Test method: ASTM E136-19a Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C, Option A

1.1 Sample and Assembly Description

Sample Description:

Approximately 39mm long × 39mm wide × 51mm thick MgO Board were provided by the applicant. One specimen was consisted of four 11.6mm thick panel and one 4.6mm thick panel, which was wrapped by wire.

1.2 Test Criteria

Report the material as passing the test if at least three of the four test specimens tested meet the individual test specimen criteria detailed in 1.2.1 or 1.2.2. The three test specimens do not need to meet the same individual test specimen criteria.

1.2.1 If the weight loss of the test specimen is 50% or less, the following criteria must be met:

a. The recorded temperatures of the surface and interior thermocouples do not at anytime during the test rise more than 30°C (54°F) above the stabilized furnace temperature measured at T2 prior to the test.

b. There is no flaming from the test specimen after the first 30 s.

1.2.2 If the weight loss of the test specimen exceeds 50%, the following criteria must be met:

a. The recorded temperature of the surface and interior thermocouples do not, at any time during the test, rise above the stabilized furnace temperature measured at T2 prior to the test.

b. No flaming from the test specimen is observed at any time during the test.

1.3 Results and Observations

Specimen #	Observations
1	Sample did not smoke or flame.
2	Sample did not smoke or flame.
3	Sample did not smoke or flame.
4	Sample did not smoke or flame.

Specimen Number	Initial Wt. (g)	Final Wt. (g)	Wt. Loss(%)	Stabilized Furnace Temperature (T2) (°C)	Max Surface (T4) (°C)	Max Surface Difference (°C)	Max interior Temp. (T3) (°C)	Max interior Difference (°C)
1	98.2	70.7	28.0	749.7	734.7	-15.0	727.2	-22.5
2	93.5	66.8	28.6	749.2	742.8	-6.4	734.2	-15.0
3	95.6	68.9	27.9	749.9	730.1	-19.8	723.8	-26.1
4	96.4	69.0	28.4	751.3	738.7	-12.6	729.8	-21.5
Average	95.9	68.9	28.2	750.0	736.6	-13.5	728.8	-21.3

Note: The final temperature reading shall be recorded as the maximum temperature as per Clause 8.7.2 and 8.7.3.

2 Conclusion

The test specimens met the requirement of ASTM E136.

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Appendix A: Sample Received Photo

Revision:

NO.	Date	Changes
210601012SHF-001	2021-06-15	First issue