



TEST REPORT

No. : GZCCM130500326-09

Date : Jun. 25, 2021

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GUANGDONG MY BUILDING MATERIALS CO., LTD
JIANGMEI INDUSTRIAL AREA, SHISHAN TOWN, NANHAI DISTRICT, FOSHAN CITY

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : MAGNESIUM OXIDE BOARD
Material : MgO, MgCl₂, Perlite, Wood fiber, Glass fiber mesh
Spec. : 1220*2440mm, thickness:3-20mm
Manufacturer : GUANGDONG MY BUILDING MATERIALS CO., LTD
SGS Ref No. : AJD201303749
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : May.22,2021
Test Period : Jun.07,2021 to Jun.18,2021

Test result(s) : For further details, please refer to the following page(s).

*****To be continued*****

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co.,Ltd
Guangzhou Branch

Chandler Wu
Technical Engineer

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SGS-CSTC Standards Technical Services Co., Ltd.
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Test information:

Test item: Combustion characteristics

I. Test conducted

This test was performed in accordance with ASTM E136-11 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C (option B)

II. Sample details

Description	MAGNESIUM OXIDE BOARD
Color	White
Size of sample	Ø45×50mm

Conditioning:

Prior to testing, the submitted sample was dried at 60±3°C for not less than 24h but no more than 48h, then placed in a desiccators to cool at least 1h.

III. Test Results

Specimen No,	1	2	3	4	5
Weight of specimen before the test, (g)	97.25	96.39	98.28	97.65	95.43
Weight of specimen after the test, (g)	64.88	64.16	63.29	65.49	64.56
Weight loss of the specimen, (%)	33.29	33.44	35.60	32.93	32.35
Initial temperature of the furnace, (°C)	750	751	750	751	750
Maximum specimen center temperature, (°C)	801	806	802	804	805
Maximum specimen surface temperature, (°C)	802	807	804	806	805
Flaming after first 30 s (Yes/No)	No	No	No	No	No

Requirements:

Report as passing if at least three of the four specimens tested meet the individual specimen criteria detailed as a) or b):

a) When the weight loss of the specimen is 50% or less;

*****To be continued*****

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1. The recorded temperatures of the surface and interior thermocouples do not at anytime during the test rise more than 30°C above the stabilized temperature measured at T₂ prior to the test (Initial temperature of the furnace).
2. There is no flaming from the specimen after the first 30s.
- b) When the weight loss of the specimen exceeds 50%;
 1. The record temperature of the surface and interior thermocouples do not at anytime during the test rise above the stabilized temperature measured at T₂ prior to the test.
 2. There is no flaming from the specimen at any time during the test.

Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The specimen was supplied by the sponsor and SGS-CSTC was not involved in any selection or sampling procedure.

Note : The above test was carried out by a SGS internal laboratory.

Photo:



Sample

*****End of report*****

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