

Test Report

Report No.: AJFS2404004526FF

Date: MAY 10, 2024

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ResCom® Building Products

6A Kerryl Street KUNDA PARK QLD 4556

Sample Name: ResCom® (CMC)

SGS Ref No.: IN-SH-CP-5627-24148

Product Specification: ISO 8336 MAGNESIA CEMENT BOARD [PATENT NO. 2016240394] [PATENT NO. 2980948] [PATENT NO. 2553700 B]

Style/Item No.: /

Thickness: 6mm

Material and Mark: RESCOM® ISO:8336

Buyer: ResCom BP

Manufacturer: SHANDONG HENGYI SCIENCE & TECHNOLOGY CO., LTD (RGBP GLOBAL BUILDING MEMBER)

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Test Requested:

ASTM E136-2022 Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C, Option B.

Test Results: -- See attached sheet --

Conclusion: According to the test results, the tested sample is deemed to be **non-combustible materials**.

Test Period:

Sample Receiving Date : APR.26, 2024

Test Performing Date : APR.26, 2024 TO MAY 08, 2024

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Echo Li
Approved Signatory

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Test conducted

This test is conducted as per ASTM E136-2022 Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C. Option B test shall be in accordance with Test Method ASTM E2652.

I. Sample details

Description	Magnesia Cement Board ResCom® (CMC) (provided by client)
Color	Grey
Size of sample	Φ45x50.0mm

Conditioning:

Precondition: The test specimens shall be dried in a ventilated oven maintained at 60 ±5°C, for between 20 and 24 h, and cooled to ambient temperature in desiccators prior to testing.

II. Test Results

Specimen No,	1	2	3	4
Initial temperature of the furnace, (°C)	750.2	749.7	750.4	749.9
Maximum specimen interior temperature (°C)	757.4	756.3	757.1	757.7
Temperature rise in specimen interior (°C)	7.2	6.6	6.7	7.8
Maximum specimen surface temperature, (°C)	761.4	762.9	760.7	761.7
Temperature rise in specimen surface, (°C)	11.2	13.2	10.3	11.8
Test duration (s)	1800	1800	1800	1800
Specimen mass before test, (g)	91.96	92.31	91.72	96.07
Specimen mass after test, (g)	56.89	58.14	57.55	57.21
Mass loss of the specimen, (%)	38.1	37.0	37.3	37.9
Flaming at any time during the test (Yes/No)	No	No	No	No
Flaming after first 30s (Yes/No)	No	No	No	No
Observations	---			



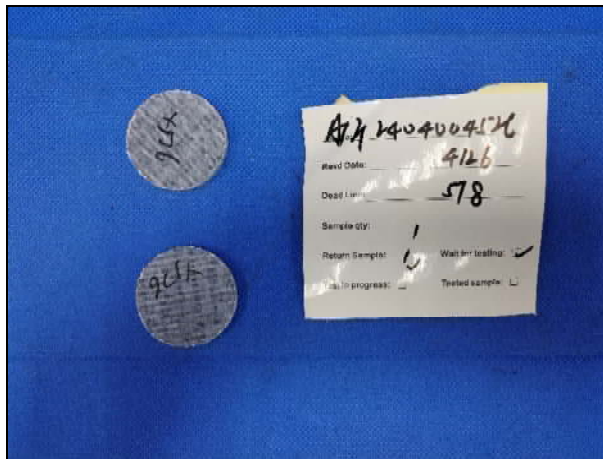
Test Criteria

Report the material as passing the test if at least three of the four test specimens tested meet the individual test specimen criteria detailed either in 1 or in 2. The three individual test specimens do not need to meet the same individual test specimen criteria.

1. If the weight loss of an individual test specimen is 50 % or less, that test specimen is considered as having met the individual test specimen criteria when all the criteria in 1.1 through 1.3 are met:
 - 1.1 For the duration of the test, the recorded temperature of the surface thermocouple does not rise more than 30 °C (54 °F) above the stabilized furnace temperature established at T2 prior to the test.
 - 1.2 For the duration of the test, the recorded temperature of the interior thermocouple does not rise more than 30 °C (54 °F) above the stabilized furnace temperature established at T2 prior to the test.
 - 1.3 There is no flaming from the test specimen after the first 30 s.
2. If the weight loss of an individual test specimen exceeds 50 %, that test specimen is considered as having met the individual test specimen criteria when all the criteria in 2.1 through 2.3 are met:
 - 2.1 For the duration of the test, the recorded temperature of the surface thermocouple does not rise above the stabilized furnace temperature established at T2 prior to the test.
 - 2.2 For the duration of the test, the recorded temperature of the interior thermocouple does not rise above the stabilized furnace temperature established at T2 prior to the test.
 - 2.3 There is no flaming from the test specimen at any time during the test.

Statement: This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

Photo Appendix:



SGS authenticate the photo on original report only

End of Report

