



CLIENT: **Siam Gypsum Industry (Saraburi) Co., LTD.**
1 Siam Cement Rd 2nd Floor, Building 6
Bangsue, Bangkok 10800 Thailand
Attn: Thossapon Satiraratana

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|-------------------------------|---------------------------|
| Test Report No: 606559 | Date: May 25, 2006 |
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The following sample was submitted by the Client as: **Siding (Gypsum Board)**
0.500" (1/2") Firestop and 0.625" (5/8") Firestop

DATE OF RECEIPT: April 26, 2006

TESTING PERIOD: May 24, 2005

AUTHORIZATION: Order Confirmation Number 606559

TEST(S) REQUESTED: The submitted sample was tested in accordance with the procedures outlined in ASTM E136-98, "Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C".

TEST RESULTS: The submitted sample complies with the requirements as specified in ASTM E136-98.

PREPARED BY:


William G. Booth, Technician
Fire Technology

SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.


Arthur D. Fiorino, Senior Technician
Fire Technology

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CLIENT: Siam Gypsum Industry (Saraburi) Co., LTD.

RESULTS:

0.500" (1/2") Firestop

| <u>Specimen</u> | <u>Furnace Temperature, °F</u> | <u>Maximum Surface Thermocouple, °F</u> | <u>Maximum Interior Thermocouple, °F</u> | <u>Weight Loss, Percent</u> |
|-----------------|--------------------------------|---|--|-----------------------------|
| 1 | 1382 | 875 | 1382 | 21.31 |
| 2 | 1382 | 840 | 1382 | 18.62 |
| 3 | 1382 | 885 | 1382 | 18.33 |
| 4 | 1382 | 850 | 1382 | 21.50 |

Observations: Discoloration, cracking.

| | <u>Original Weight</u> | <u>Final Weight</u> |
|---|------------------------|---------------------|
| 1 | 53.67 | 42.23 |
| 2 | 54.07 | 44.00 |
| 3 | 50.66 | 41.37 |
| 4 | 55.16 | 43.30 |

REQUIREMENTS:

Temperature of the surface and interior thermocouples does not, at any time during the test, rise more than 54°F above the furnace air temperature (1382°F) and there shall be no flaming from the specimen after the first 30 seconds. Also, the weight loss of the specimen during testing exceeds 50%, the recorded temperature of the surface and interior thermocouples do not at any time during the test rise above the furnace air temperature at the beginning of the test, and there is no flaming of the specimen.

CONCLUSION:

The submitted sample complies with the requirements as specified in ASTM E136-98.

CLIENT: Siam Gypsum Industry (Saraburi) Co., LTD.

RESULTS:

0.625" (5/8") Firestop

| <u>Specimen</u> | <u>Furnace Temperature, °F</u> | <u>Maximum Surface Thermocouple, °F</u> | <u>Maximum Interior Thermocouple, °F</u> | <u>Weight Loss, Percent</u> |
|-----------------|--------------------------------|---|--|-----------------------------|
| 1 | 1382 | 830 | 1382 | 16.10 |
| 2 | 1382 | 830 | 1382 | 8.33 |
| 3 | 1382 | 860 | 1382 | 17.23 |
| 4 | 1382 | 855 | 1382 | 11.82 |

Observations: Discoloration, cracking.

| | <u>Original Weight</u> | <u>Final Weight</u> |
|---|------------------------|---------------------|
| 1 | 59.80 | 50.17 |
| 2 | 65.50 | 60.04 |
| 3 | 66.09 | 54.70 |
| 4 | 67.73 | 59.72 |

REQUIREMENTS:

Temperature of the surface and interior thermocouples does not, at any time during the test, rise more than 54°F above the furnace air temperature (1382°F) and there shall be no flaming from the specimen after the first 30 seconds. Also, the weight loss of the specimen during testing exceeds 50%, the recorded temperature of the surface and interior thermocouples do not at any time during the test rise above the furnace air temperature at the beginning of the test, and there is no flaming of the specimen.

CONCLUSION:

The submitted sample complies with the requirements as specified in ASTM E136-98.

End of Report