



CLIENT: LENZING PLASTICS GmbH

Werkstr. 2
4860 Lenzing, Austria
Hannes Maringer

Test Report No: 1039029-2

Date: June 27, 2007

SAMPLE ID: The Client submitted and identified the following test material as Lenzing Jacketing 573 adhered to cement board with Fosstik adhesive.

DATE OF RECEIPT: Entered into SGS USTC sample tracking system on April 25, 2007.

TESTING PERIOD: June 4, 2007.

AUTHORIZATION: Testing authorized by Hannes Maringer.

TEST REQUESTED: Smoke Density Tests per ASTM E662-03, "Standard Method for Specific Optical Density of Smoke Generated by Solid Materials". This test method is comparable to NFPA No. 258. These tests were performed using the NBS Smoke Density Chamber which meets the requirements and recommendations set forth by NBS Technical Note 708, Appendix II.

TEST RESULTS:	Flaming Mode	<u>Ds @ 1.5 min.</u>	<u>Ds @ 4 min.</u>	<u>Dm</u>	<u>Dm Corr.</u>
	Average	1	3	53	51
	Non- Flaming Mode	<u>Ds @ 1.5 min.</u>	<u>Ds @ 4 min.</u>	<u>Dm</u>	<u>Dm Corr.</u>
	Average	0	0	5	5

Tested by


Brian Ortega
Test Technician

**Signed for and on behalf of
SGS U.S. Testing Company Inc.**


Greg Banasky
Supervisor Fire Technology

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PREPARATION AND CONDITIONING: The specimens were received pre-fabricated by the Client to meet the proper dimensions 3" X 3" and prepared for testing as outlined in the aforementioned standard. Prior to insertion in the specimen holder, the samples were conditioned to equilibrium at a temperature of $73.4 \pm 5^\circ$ F and a relative humidity of $50 \pm 5\%$.

TEST PROCEDURES: The test chamber was preheated to $95 \pm 4^\circ$ F and all steady state conditions checked. Following placement of the specimen in the chamber and initiation of the test, light transmittance and time were plotted continuously with a multi-range recorder. The test, in the flaming and non-flaming modes, was continued for a 4 minutes. The chamber was then evacuated of smoke particulate until maximum light transmittance was reached.

Smoke Density per ASTM E662

Flaming Mode

Specimen	Ds @ 90 sec	Ds @4 min	Dm	Dm Corr.	Time
1	1	4	65	62	20:00
2	0	3	45	44	20:00
3	0	2	48	47	20:00
Average	0	3	53	51	20:00

Non-Flaming Mode

Specimen	Ds @ 90 sec	Ds @4 min	Dm	Dm Corr.	Time
1	0	0	4	4	20:00
2	0	0	5	5	20:00
3	0	0	7	7	20:00
Average	0	0	5	5	20:00

Legend:

Specific Optical Density: Ds

Maximum Specific Optical Density: Dm

Maximum Specific Optical Density Corrected: Dm Corr.

End of Report