



SGS U.S. Testing Company Inc.

291 Fairfield Avenue • Fairfield, NJ 07004 • Tel: 973-575-5252 • Fax: 973-575-8271

CLIENT: Flame Tech Inc.
198 Kapp Street
Winston-Salem, NC 27105

Test Report No: 173782-R1 **Date:** February 4, 2003

Revised Date: February 12, 2003

This report supercedes all previous documents bearing the reference #173782

The following sample was submitted by the Client as:

Fire Seal

DATE OF RECEIPT: January 6, 2003

TESTING PERIOD: January 28, 2003

AUTHORIZATION: Client Letter

TESTS 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 of 750°C".

PREPARED BY:

John H. Van Houten, Sr. Supervisor
Fire Technology
rm

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

Frank Savino, Manager
Materials Evaluation

This report is issued by SGS U.S. Testing Company Inc. under its General Conditions for Testing Services, as printed on reverse side. SGS U.S. Testing's responsibility under this report is limited to proven negligence and will in no case be more than the amount of the testing fees. Except by special arrangement, samples are not retained by SGS U.S. Testing for more than 30 days. The results shown on this test report refer only to the sample(s) tested unless otherwise stated, under the conditions agreed upon. Anyone relying on this report should understand all of the details of the engagement. Neither the name, seals, marks nor insignia of SGS U.S. Testing may be used in any advertising or promotional materials without the prior written approval of SGS U.S. Testing. The test report cannot be reproduced, except in full, without prior written permission of SGS U.S. Testing Company Inc.



SGS U.S. Testing Company Inc.

Report No.:

173782-R1

DATE: 2/03/03

PAGE 2 OF 2

Revised Date: 2/12/03

CLIENT: Flame Tech Inc.

TEST RESULTS:

<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	1300	1240	4.3
2	1382	1300	1260	4.1
3	1382	1280	1260	4.0
4	1382	1300	1280	4.3

Observations: Discoloration, flashing, charring, flaming, light smoke no burning.

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), 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.

	<u>Original Weight</u>	<u>Final Weight</u>
1	116.0	111.0
2	108.5	104.0
3	112.3	107.5
4	108.7	104.0

End of Report