



Test Report

Emittance Measurements for Astro-Foil Reflective Insulation Supplied by Innovative Energy, Inc.

Prepared For:

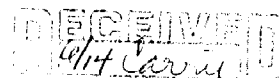
Mr. Robert Wadsworth
Innovative Energy, Inc.
10653 W. 181st Avenue
Lowell, IN 46356

R & D Services, Inc.
P.O. Box 2400
Cookeville, Tennessee 38502-2400

Report: RD04216

Reviewed by: David W. Yarbrough
David W. Yarbrough, PhD, PE
President

June 14, 2004





P.O. Box 2400
Cookeville, Tennessee 38502-2400
Phone: 931-372-8871
Fax: 931-525-3896

Client: Innovative Energy, Inc.
10653 W. 181st Avenue
Lowell, In 46256

Date of Test : June 14, 2004

Specimen: 1021040614-1

RD Test Number: RD041426SE

Project: Emittance of Astro-Foil FBBF Reflective Insulation Supplied by Innovative Energy, Inc.

Test Protocol: ASTM C 1371-98, "Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emisometers".

Procedure

This report presents the results of physical tests conducted on Astro-Foil FBBF Reflective Insulation submitted to R&D Services, Inc. by Innovative Energy, Inc.. Testing was completed on June 14, 2004. Measurements were made on the insulation using a Model AE emissometer manufactured by Devices and Services Company of Dallas, Texas.

Observations:

The emissometer was calibrated prior to use and calibration was verified at the end of testing. The final reported emittance is the average of three measurements.

<u>R&D Identification</u>	<u>Individual Emittances</u>	<u>Average Emittance</u>
1021040614-1	0.03, 0.03, 0.03	0.03

Uncertainty:

The 95% reproducibility as stated in Section 10 of ASTM C1371 is 0.015 units.

Reviewed By: David W. Garberough

Date: June 14, 2004

Test results reported apply only to the specimens tested.