

INNOVATIVE ENERGY, INC.

Reflective Insulation • Radiant Barriers • Insulated Packaging

R+HEATSHIELD

SCIF BARRIER

R+HEATSHIELD radiant barrier is made from a woven polyethylene material covered by a metalized film, which blocks up to 94% radiant heat. R+HEATSHIELD also meets the requirements for Sensitive Compartmented Facilities (SCIF) applications, providing an effective attenuation barrier against a wide range of RF frequencies.

- Increases sound attenuation for SCIF's
- Blocks up to 94% of radiant heat
- Cuts energy consumption and costs
- Qualifies as an air and moisture barrier
- Superior tear and puncture resistance
- Can span eight feet unsupported
- Environmentally friendly and non-toxic
- Lightweight; easy and safe to install



www.insul.net

800-776-3645

Scif Barrier

Specifications:

ASTM E84-10
Flame Spread 5
Smoke Developed 20

ASTM E408
Reflectivity 94%
Emissivity 6%

Tear Strength
MD 67.21 lbs
CD 61.61 lbs

Thickness
4.0 mil

Weight
14 lbs./500 sq. ft.

Innovative Energy Limited Warranty

Innovative Energy products are warranted against defects in materials and workmanship for 5 years, in approved building or O.E.M. applications when installed in accordance with Innovative Energy's written instructions.

Liability under this warranty is limited to replacement of the product found to be defective and does not cover merchantability, fitness for specific application or any labor costs. Contact Innovative Energy for proper handling of any suspected defective material.

For details on General Terms and Conditions of this warranty and warranty information for applications other than mentioned above, contact Innovative Energy.

WARRANTY DISCLAIMERS AND LIMITATIONS ON BUILDING APPLICATIONS

- Innovative Energy products should always be stored in a clean dry environment with the rolls left in the poly bags they came in.
- Although Innovative Energy products have UV and thermal blockers built in to the structures, the warranty does not cover installation in open or exposed applications such as lean-to's and open sided animal confinement buildings.
- Applications where chemicals and off gassing products are present may void the warranty.

Vertical Shielding Effectiveness Tabular Data

Frequency (MHz)	Noise Floor (dBm)	Cal. Measurement (dBm)	Dynamic Range (dBm)	Shielded Measurement (dBm)	Shielded Effectiveness (dBm)	Shielded Effectiveness %
40	-54.07	8.44	62.51	-34.60	43.04	68.85
100	-53.05	25.21	78.26	-10.80	36.01	46.01
175	-55.37	26.20	81.57	-24.94	51.14	62.69
275	-55.25	17.26	72.51	-35.45	52.71	72.69
400	-53.11	22.66	75.77	-34.49	57.15	75.43
575	-54.19	24.99	79.18	-36.89	61.88	78.15
750	-54.72	23.85	78.57	-46.07	69.92	88.99
900	-53.92	24.76	78.68	-50.72	75.48	95.93
1200	-40.97	12.96	53.93	-38.19	51.15	94.85
1700	-39.62	8.20	47.82	-37.93	46.13	96.47
2500	-39.26	17.56	56.82	-36.73	54.29	95.55
3800	-40.23	1.45	41.68	-38.09	39.45	94.65

Horizontal Shielding Effectiveness Tabular Data

Frequency (MHz)	Noise Floor (dBm)	Cal. Measurement (dBm)	Dynamic Range (dBm)	Shielded Measurement (dBm)	Shielded Effectiveness (dBm)	Shielded Effectiveness %
40	-55.5	8.94	64.44	-49.35	58.29	90.46
100	-54.01	27.73	81.74	-18.01	45.74	55.96
175	-54.55	26.04	80.59	-32.73	58.77	72.92
275	-54.72	1.32	56.04	-30.97	32.29	57.62
400	-54.16	8.50	62.66	-43.76	52.26	83.40
575	-54.85	11.22	66.07	-35.34	46.56	70.47
750	-54.19	12.23	66.42	-47.93	60.16	90.58
900	-54.75	13.04	67.79	-45.80	58.84	86.80
1200	-40.45	14.43	54.88	38.14	52.57	95.79
1700	-39.96	8.06	48.02	-39.19	47.25	98.40
2500	-38.95	18.05	57.00	-35.52	53.57	93.98
3800	-40.28	1.03	41.31	-36.26	37.29	90.27



IMPORTANT WARNING

NEVER INSTALL OVER OR NEAR DEFECTIVE OR EXPOSED ELECTRICAL WIRING.

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Forest Stewardship Council
The Mark of Responsible Forestry

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