



Product Description

This insulation material combines fiberglass, aluminum foil, and nearly 0.4" of closed-cell foam, offering superior thermal and sound absorption qualities. It effectively reflects radiant heat and blocks engine and exhaust heat, while also dampening engine, tire, road, and exhaust noise for a more comfortable ride.

Applications

- Thermal and acoustic insulation
- Exterior bulkhead, firewall, hood, engine compartment, engine bays, boot, wheel arch, load floor, under seat, floor, interior bulkhead, body panels, and more.
- Repel sun, engine, exhaust pipe heat from your cabin, reducing air conditioning energy consumption and saving fuel.

Features



Excellent sun and engine heat insulation



Absorbs external sounds, squeaks, and echoes



Heat insulation slows car paint aging



Heat insulation reduces car energy consumption



Lifetime guarantee, made to stand the test of time

Specifications

THICKNESS	0.39"
MATERIAL	Rubber acoustic closed cell foam, Fiberglass aluminum foil
ADHESIVE	Pressure sensitive adhesive backing
APPEARANCE	Fiberglass aluminum foil

Product	Size	Coverage
SoundSkins Heat Shield	39.4" x 196.9" roll	58.82 sq ft

Temperature Range

- Temperature Rating:
- Up to 482°F (250°C)

Storage and Shelf Life

Store SoundSkins Heat Shield at room temperature in unopened packaging. Install product within 2 years.

Tools Needed for Installation



Alcohol based cleaner & microfiber towel



Gloves



Sharp blade or scissors



Roller

Testing Data

Thermal Testing Data

To assess thermal degradation, test samples were placed foil-side down in an air-circulating oven and heated to 300°F (150°C) for one hour. The temperature was then increased by 122°F (50°C) hourly until the samples began to degrade.

For thermal resistance testing, the sample was set with the foil facing a hot plate, and steady-state heat flux measurements were conducted at an average temperature of 75.2°F (24°C). The temperatures of the hot and cold plates were approximately 95°F (35°C) and 55.4°F (13°C), respectively, with heat moving from the hot to the cold plate. Thermal resistance and conductivity were calculated by comparing the sample's heat flux to that of a standard reference material.

Thermal Degradation Rating

302° F (150° C)	No Change
392°F (200° C)	No Change
482°F (250° C)	Degradation

Thermal Resistance Rating

"R" Value per Inch	4.10
Thermal Conductivity	0.0352

Thermal Degradation

After 1 hour at 482°F (250°C), the foam component showed signs of material degradation (embrittlement) while the foil with fiberglass component remained unaffected.

Thermal Resistance

The R-value of SoundSkins Heat Shield is 4.10 per inch. An R-Value determines a insulation material's ability to resist the transfer of heat.

Product Photos

