

## Heat Wave Pro: Automotive Heat Insulation

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### Heat Wave Pro™ - Jute Thermal Insulation

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Further increase the comfort of your vehicle with sound and thermal insulation. Heat Wave Pro is a high r-value, lightweight sound absorber and decoupler. This thermal acoustic barrier contains a treated jute material surrounded by two layers of reinforced foil fabric. It's durable; it reflects radiant heat; and it insulates against both heat and noise transfer. Heat Wave Pro makes an excellent replacement for your automotive carpet padding, car hood liner, or anywhere else your factory insulation isn't doing the job.

- Thermal acoustic jute sandwiched between two sheets of reinforced foil
- R-Value per inch roughly 50% better than your average home insulation
- Eco-friendly jute material is treated for fire, mold, and mildew resistance
- Each sheet is 3/8" thick and 6' by 4' (24 Sq Ft)
- Weight: 0.188 pounds per square foot

- Temperature rated up to 250 F
- Made in the USA

## **Product Usage**

- Cuts with scissors
- Apply using our [Contact Spray Adhesive](#) (1 can per sheet) or [Super Strong Double Sided Tape](#)
- We recommend applying on top of your sound deadener and below your noise barrier. It also is an excellent thermal insulator to use above your roof's headliner or under the hood. You can even use it as [engine compartment insulation material](#) on your boat or RV. Learn more about [foil insulation R-Value](#) to see why.
- Keep at least 2" of clearance from the heat source. We recommend taping up edges with [Foil insulation Tape](#)
- Cost-effective aftermarket insulation you can use as van or [RV roof insulation](#)

Heat Wave Pro is a flexible thermal insulator and heat reflector that can be used for everything from a semi truck's walls to HVAC ductwork to insulating the inside of an RV/motorhome. Call us if you have questions about a potential use case.

# HEAT WAVE

## Description

Heat Wave Thermal/Acoustic Insulation is a lightweight, foil faced, fire retardant blanket-type insulation with multiple uses. Heat Wave offers excellent thermal and acoustical performance and carries a Class-A fire rating.

Made from durable natural fibers, Heat Wave contains no fiberglass and does not itch or cause skin irritation. The fibers used to manufacture Heat Wave offer excellent sound absorption properties and every fiber is individually treated with an EPA registered anti-microbial agent that offers excellent protection from mold, mildew fungi, and pests as well as fire resistance.

Heat Wave's pure aluminum barrier reflects unwanted radiant heat and offers excellent protection from air currents, moisture, and vapors.

## Uses

Use Heat Wave wherever unwanted heat or noise control is necessary.

## Product Features

- **Excellent Noise Absorption**
- **Reduces Unwanted Heat**
- **No Itch or Skin Irritation**
- **Resists Microbial Growth**
- **Easy to Handle & Install**
- **Durable & Long-Lasting**

Physical Properties		
PROPERTIES	PERFORMANCE	TEST METHOD
Surface Burning Characteristics (Fire Hazard Classification)	Flame Spread 10 (Class 1) Smoke Developed 20 (Class 1)	ASTM E 84 UL 723
Zero Surface Burn Rate	Exceeds Standard (Less than 1/5 in./min.)	FMVSS 302
Facing	99% Pure Aluminum Reinforced Foil	
Foil Emissivity	.03	ASTM E 408
Foil Reflectivity	97%	ASTM E 408
Tensile Tear Strength	100 lbs.	
Pad Weight	3 oz./s.f.	

Thermal Technical Data	
Tested in accordance with ASTM C 177 and ASTM C 518	
POSITION	R-VALUE
UP	7.85
DOWN	16.39
HORIZONTAL	9.91
<b>R-VALUE PER INCH</b>	<b>3.91</b>

\* The higher the R-Value, the greater the insulating power.

Acoustical Performance							
Sound Absorption was tested in accordance with ASTM C 423 using a Type A mounting per ASTM E 795.							
PRODUCT	ABSORPTION COEFFICIENTS @ OCTAVE BAND FREQUENCIES (Hz)						
HEAT WAVE	125	250	500	1000	2000	4000	NRC
3/8" Pad	.12	.10	.23	.56	.81	.89	.45