

NOISE CONTROL

THE Hoodliner

CUSTOM THERMO/ACOUSTIC

HEAT INSULATION

From The Makers of **Dynamat**

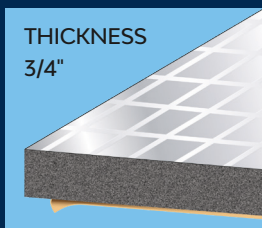
Insulate Against Heat And Noise

- » Absorbs Engine Noise
- » Blocks Unwanted Heat
- » Protects Your Paint Finish
- » Customize Your Engine Compartment

3/4 inch "Sound Soaker" Foam

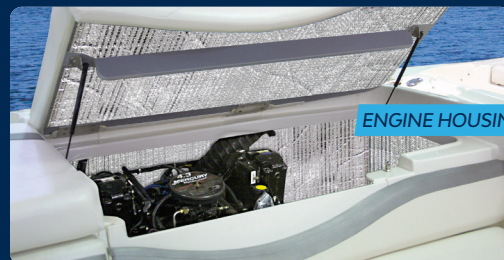
- » Peel-and-Stick Application
- » Oil and Water Resistant
- » Easy to Clean Aluminized Skin

Engine Compartment Insulation



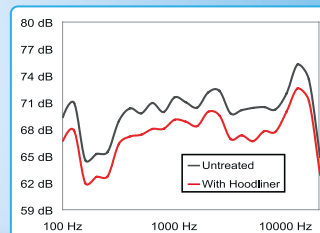
The Hoodliner protects your hood's paint and reduces irritating noise. Use The Hoodliner as an automotive engine compartment treatment as well as for other applications that can benefit from a heat resistant, acoustic barrier. The Hoodliner is made from 3/4" acoustic sound soaker foam with a reinforced, reflective aluminized skin that is cleanable and oil and water resistant. The Hoodliner has a high-tack pressure sensitive adhesive for easy peel and stick application.

FOR USE THROUGHOUT YOUR VEHICLE



THE HOODLINER

The Hoodliner Part No. 11905
1 sht. 3/4" thick x 32" x 54" (12 sq.ft.)
19mm thick x 81cm x 137cm (1.1 sq.m)



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DESCRIPTION

The Hoodliner is a Polyether Urethane Based with a Reinforced Aluminized Facing and Pressure Sensitive Adhesive on application side, thermo-acoustic foam. This product is made to be applied inside the automotive engine compartment to the underside of the hood. Product shall be die cut to shape and placed onto the under hood surface. Adhesive side is smooth, giving complete contact with the underlying surface without any air pockets of channels. Both material and adhesive can withstand temperature ranges between -40C to +107C (-40F to +225F).

ACOUSTIC PROPERTIES

The effectiveness of an acoustical foam is dependent on its ability to convert sound waves into heat energy. Hoodliner has a combination of open and closed cells to accept sound waves and dissipate them. If all of the foam cells were open, sound waves would simply pass through. Conversely, if all of the foam cells were closed, few sound waves would be absorbed. The acoustic foam in Hoodliner is cast in sheets, achieving consistent resistivity levels throughout the foam. Thus, maximum sound absorption is assured.

HEAT RESISTIVE PROPERTIES

Hoodliner has a reinforced aluminized facing which provides 97% heat reflection. This reflection reduces heat transfer to the hood and reduces wear to the painted surfaces.

APPLICATIONS

Hoodliner is used as an automotive engine compartment treatment. It is also used in other applications requiring heat resistive acoustical foams.

INSTALLATION

Hoodliner should be cut to the desired size and shape before the release liner is removed. It may be cut with scissors, knife, or die. Remove dust, grease, moisture, and other foreign matter from the application surface. Peel off the release liner. The simplest application technique is to bend the Hoodliner slightly and attach it along its shortest edge.

SPECIFICATIONS

- Appearance:
Gray acoustic foam with aluminized facing
- Top Surface:
1 mil Reinforced Aluminized Polyester
- Thickness:
0.75"
- Weight:
.13 (lb./ft³)
- Density:
2.0 (lb./ft³)
- Random Incidence Acoustical Thermal Resistivity (R):
2.7 (hr-ft²-deg.F/BTU)
- Tensile Strength:
28
- Fire Classification:
Meets HBF
- Tear Strength:
2.4
- Sound Absorption Coefficients (Using Reverberation Room Method -ASTM C423-84a and E-795-83 - Mounting A):
0.22 @ 125 Hz
0.42 @ 250 Hz
0.70 @ 500 Hz
0.93 @ 900 Hz
0.87 @ 1 kHz
0.75 @ 1.2 kHz
0.72 @ 2 kHz
0.71 @ 3 kHz
0.70 @ 4 kHz
- Temperature Resistance Range:
-40°C to +107°C (-40°F to +225°F)



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