

THE Hoodliner

CUSTOM THERMO/ACOUSTIC[®]



INSULATE AGAINST HEAT AND NOISE

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

FOR USE INSIDE ENGINE COMPARTMENTS



Generator Boxes



Automotive Hoods

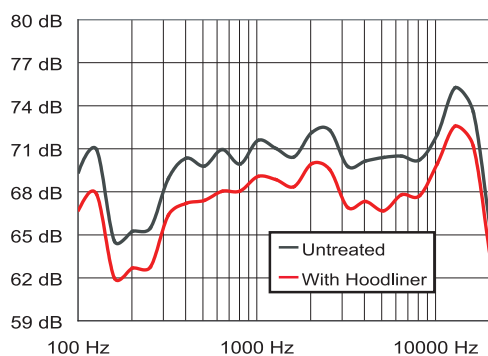


Engine Housings

Engine Compartment Insulation A Must for Noisy Diesel Engines

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.

Peel
&
STICK



THE HOODLINER 12 sq.ft.

1 sht 3/4" thick x 32" x 54"

19mm thick x 81cm x 137cm (1.1 sq.meters)

Part No. 11905



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 underhood surface. Adhesive side is smooth, giving complete contact with the underlying surface without any air pockets or channels. Both material and adhesive can withstand temperature ranges between -40°C to +107°C (-40°F to +225°F).

ACOUSTIC PROPERTIES

The effectiveness of an acoustical foam is dependent on its ability to convert soundwaves 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)



DYNAMIC CONTROL

3042 Symmes Road • Hamilton, Ohio 45015

phone: 1-800-225-8133 • fax: 1-800-873-2423 • www.dynamat.com

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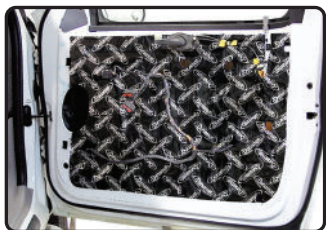


MAKE YOUR CAR COOL AND QUIET

APPLY DYNAMAT XTREME

to any accessible interior sheet metal, fiberglass or plastic

IN ORDER OF IMPORTANCE



DOORS



FLOOR



TRUNK



ROOF



ADD EVEN MORE COOL

APPLY DYNALINER

over the top of the Dynamat Xtreme

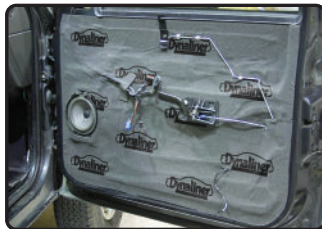
IN ORDER OF IMPORTANCE



FLOOR



FIREWALL



DOORS



ROOF



ADD EVEN MORE QUIET

HOODLINER

DYNAPAD

Apply **The Hoodliner** to the underside of your hood to absorb engine noise and control heat. If a black finish is desired, **Dynaliner** can be used. Both products are heat resistant.

Replace **Dynaliner** with **DynaPad** on floor, firewall and trunk floor when a heavy duty barrier is needed. Common applications include: high performance exhaust noise & car audio installations.

