

Dynaliner®

THERMAL INSULATION • NOISE REDUCTION

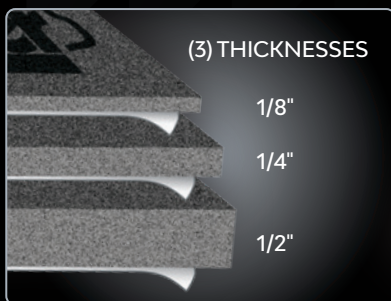
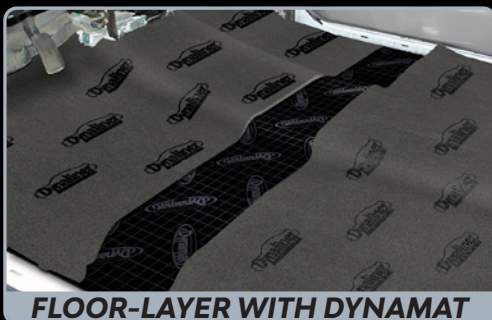
FROM 

AUTOMOTIVE THERMO-ACOUSTIC SERIES HEAT & NOISE INSULATION

- » Block Heat & Control Noise
- » Isolate Vibrations
- » Improves Interior Acoustics
- » Layer Over Dynamat®
- » Strong Self-Adhesive



APPLICATIONS



Dynamat® Dynaliner® Thermo-Acoustic Closed Cell Foam



Dynaliner is the most effective automotive thermal insulator available, and perfect to use on top of Dynamat® Xtreme®. It is a soft, lightweight self-adhesive closed cell foam rubber with thousands of cells packed extremely close together, which gives the material near zero air infiltration occurrences.



THERMO-ACOUSTIC SERIES

DYNALINER

DESCRIPTION

Dynaliner is an ultra-lightweight closed cell high performance insulation. Dark gray in color, Dynaliner is available in 1/8", 1/4" and 1/2" thicknesses. Dynaliner is self-adhesive with a high-temperature acrylic adhesive. Dynaliner is optimized for temperatures from -30°F to 200°F (-34°C to 94°C) and meets both UL and FMVSS flame resistance.

ACOUSTIC AND THERMAL PROPERTIES

Dynaliner is the perfect ultra-lightweight insulator to use on top Dynamat. This durable, crush and tear resistant material has the highest heat blocking properties available in a single layer synthetic foam-type material. Dynaliner is not affected by oil and does not absorb water.

APPLICATIONS

Easy to install, Dynaliner provides acoustic isolation and excellent thermal insulation for roof, interior firewall, floor, quarter panels, doors and even under hood. Dynaliner can be used in place of carpet pad.

INSTALLATION

Cutting: Dynaliner can be cut to a desired size and shape with a pair of scissors or razor knife. Dynaliner is self-adhesive. Make sure area is free from dirt oil and debris. For best results, work evenly from one side to the other applying even pressure.

AVAILABLE SIZES

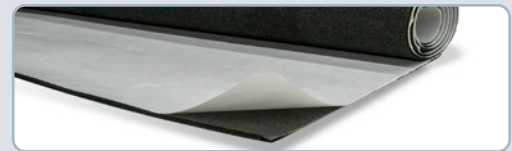
Dimensions: 32" x 54" (81cm x 137cm)

Coverage: 12.0 ft² (1.1m²)

Available sizes: 1/8", 1/4" and 1/2" (3mm, 6mm and 6mm) thickness

The data provided in the material summary are typical of average values based on testing conducted by Dynamat, Inc. or independent laboratories. They are indicative only of the results obtained in such tests and should be used for reference only. Materials used in situations not recommended must be tested under actual service to determine their suitability for that purpose.

SPECIFICATIONS



Appearance: Gray acoustic foam, craft paper release liner

Part No. 1101
 Thickness: 0.125 in.(3.18mm)
 Weight: 0.042lb./ft² (0.21kg/m²)
 Density: 4.0lb./ft³ (64.6kg/m³)
 R Value 0.42°Fft²hr/Btu (0.07Km²hr/W)
 UL Rating UL 94 HF-1

Part No. 1102
 Thickness: 0.250 in.(6.35mm)
 Weight: 0.084lb./ft² (0.41kg/m²)
 Density: 4.0lb./ft³ (64.6kg/m³)
 R Value 0.83°Fft²hr/Btu (0.15Km²hr/W)
 UL Rating UL 94 HF-1

Part No. 1103
 Thickness: 0.500 in.(12.70mm)
 Weight: 0.168lb./ft² (0.82kg/m²)
 Density: 4.0lb./ft³ (64.6kg/m³)
 R Value 1.7°Fft²hr/Btu (0.3Km²hr/W)
 UL Rating UL 94 HBF

Sound Absorption Coefficients (Using Reverberation Room Method -ASTM C423-84a and E-795-83 - Mounting A):
 0.18 @ 125 Hz

0.22 @ 250 Hz

0.51 @ 500 Hz

1.00 @ 750 Hz

1.19 @ 1 kHz

1.00 @ 1.5 kHz

1.00 @ 2 kHz

1.10 @ 3 kHz

1.20 @ 4 kHz

Random Incidence Acoustical Thermal Resistivity (R): 1.9 (hr-ft²-deg.F/BTU)

Temperature Range (Optimal Performance):
 -30F to +200F (-34°C to 93°C)

Temperature Range (Resistance):
 -65F to +300F (-54C to +149C)

FMVSS 302: Meets

Fire Classification: Meets HF-1

* Material properties have tolerances of ±10% unless otherwise noted. Parentheses denote metric measurements.