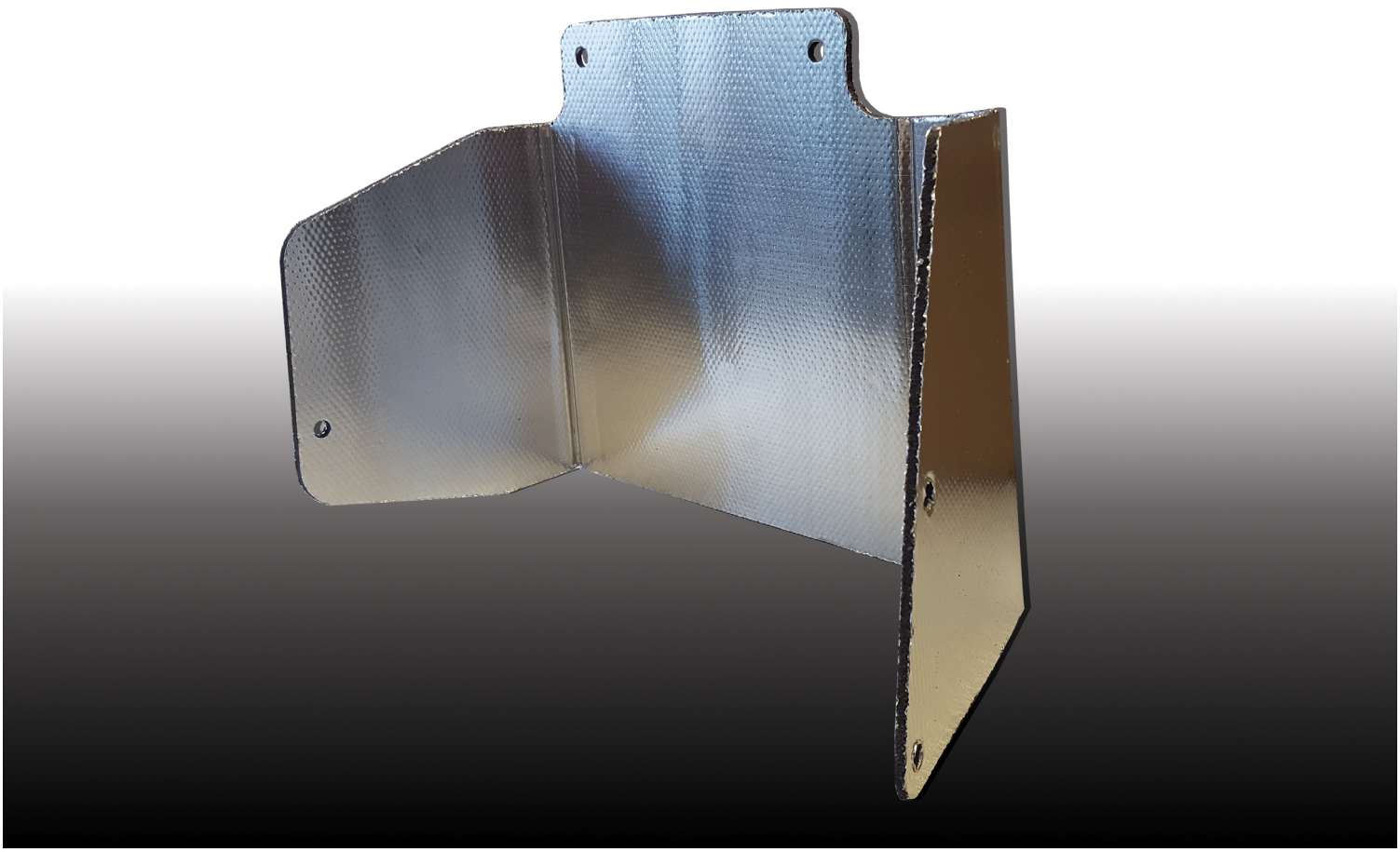
MILCUT

Constantly seeking better ways to be the best®

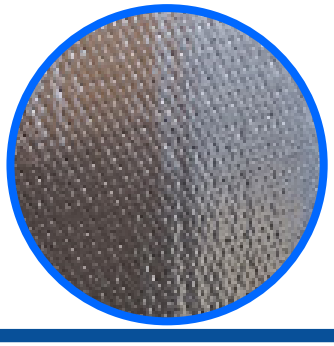


MilShield Lite

MilShield Lite is a light-weight, highly formable, resilient heat shield solution. MilShield Lite provides thermal protection for interior applications, yet is resilient enough to provide protection for exterior automotive conditions. The difference with MilShield Lite as compared to our regular MilShield is that it has a 2 mil aluminum facing. It is very effective at reducing thermal loads in areas with high heat sources where little space is available. MilShield Lite can be easily attached via pins, projection studs and mechanical fasteners. It is also available with pressure sensitive adhesive on one side.

TYPICAL APPLICATIONS:

- Engine or Muffler Baffles
- Firewall Protection
- Interior Thermal Protection



Phone: 262-783-3300
Email: info@milcut.com

Milcut Inc.
N50 W13400 Overview Dr.
Menomonee Falls, WI 53051

www.milcut.com
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Typical Physical Properties

Physical Property	Test Method	Typical Results
Description		Aluminum / Foam / Adhesive
Aluminum Thickness		2.0 mil
Foam Type		Polyurethane
Nominal Core Thickness		4 mm
Pressure Sensitive Adhesive		3.2 mil acrylic
Surface Density	ASTM D3776	700 g/m^2
Thermal Conductivity, 20°C		0.04
Flammability	FMVSS 302	Pass
Reagent Resistance	Results based on 4 hour immersion	
Motor Oil		Pass
Anti-freeze		Pass
Brake Fluid		Pass
Power Steering Fluid		Pass
Transmission Fluid		Pass
Washer Fluid		Pass
Intermittent High Temperature		1,300°F

Tolerance ± 10%

Typical Physical Properties: Pressure Sensitive Adhesive

Physical Property	Test Method	Typical Results
Chemical Type		Acrylic
Peel Strength	PSTC-1	
at 10 min		179 oz/in
at 24 hrs		183 oz/in
Relative Tack (Initial)	PSTC-5	Very High
Shear Strength	PSTC-7	
1 in x 1 in at .5 kg		35 hrs
Resistance		
Oxidation and UV		Very Good
Water and Humidity		Good
Plasticizer and Oil		Fair
Temperature Range		
Peak Performance		-40° to 225°F
Recommended Max. Intermittent		250°F
Release Liner		Silicone-Coated PET

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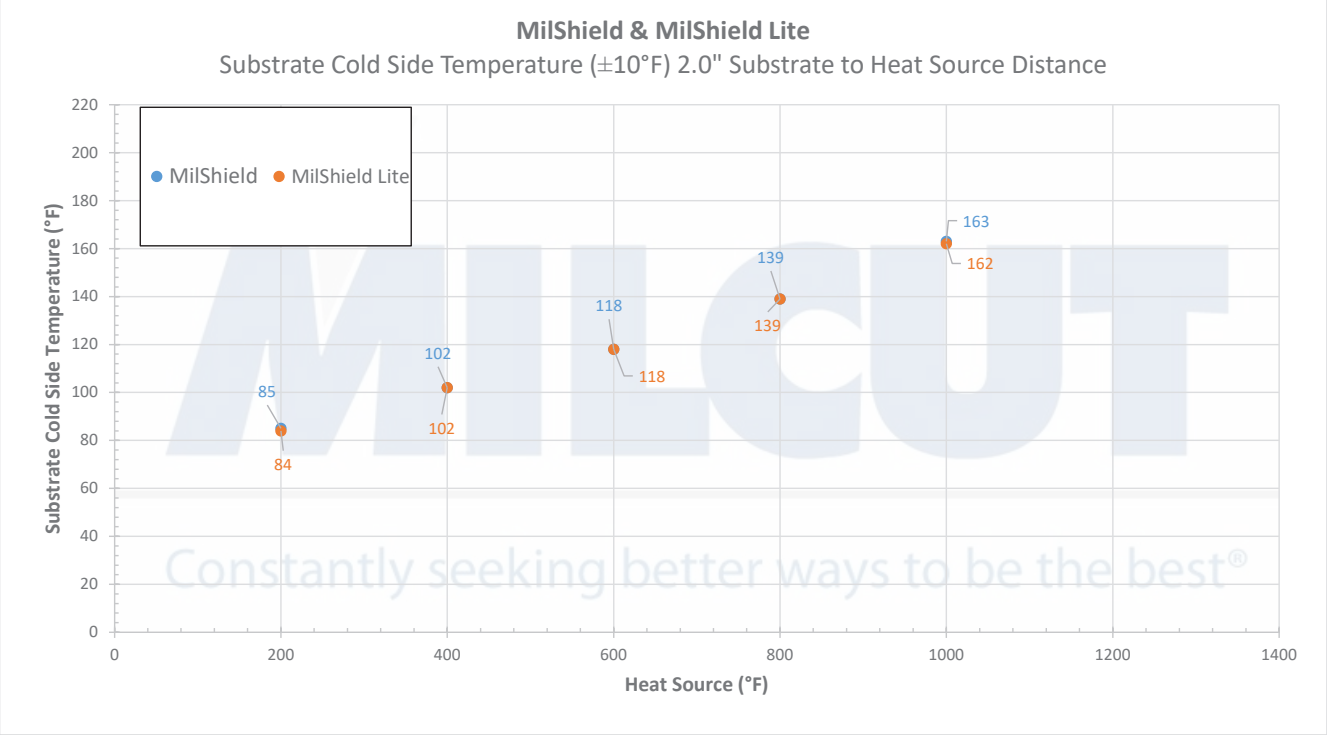
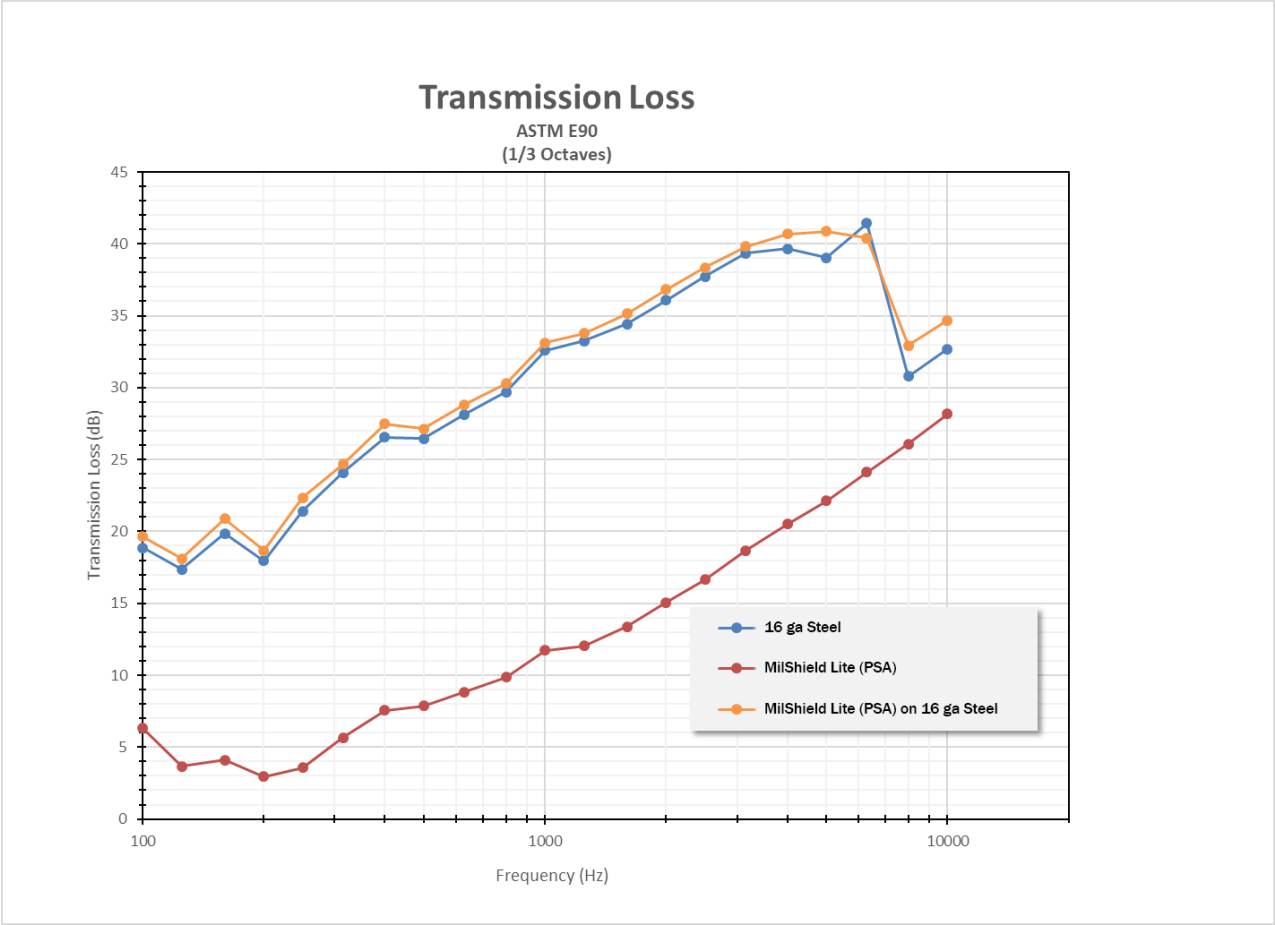
MilShield & MilShield Lite Heat Source Comparison



Transmission Loss
ASTM E90



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