

# TUFshield™ TS-5470

## Product Description

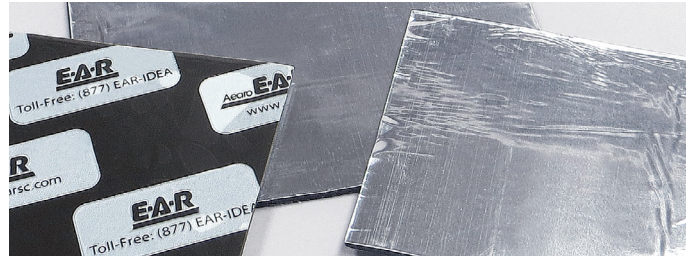
TUFshield TS-5470 thermal shield is a light-weight, highly conformable, resilient thermal solution. The flexible construction enables coverage for unique shapes and surfaces, while maintaining its thermal protection properties.

- Thermal protection for interiors and machinery
- Ease of attachment via pressure sensitive adhesive
- Resilient to interior and exterior conditions

TYPICAL PROPERTIES	TS-5470
<b>Description</b>	Aluminum/Foam/ Adhesive
<b>Surface Density (g/m<sup>2</sup>)</b> ASTM D3776	1000
<b>Thickness (mm)</b>	4.0
<b>Flammability</b> FMVSS 302	Pass
<b>Thermal Conductivity (W/m - K)</b> 20°C	0.032
<b>Reagent Resistance*</b> Results based on 4 hour immersion	
Motor Oil	Pass
Antifreeze	Pass
Brake Fluid	Pass
Power Steering Fluid	Pass
Transmission Fluid	Pass
Washer Fluid	Pass

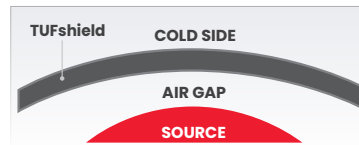
The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

\*Pass indicates no visual signs of degradation



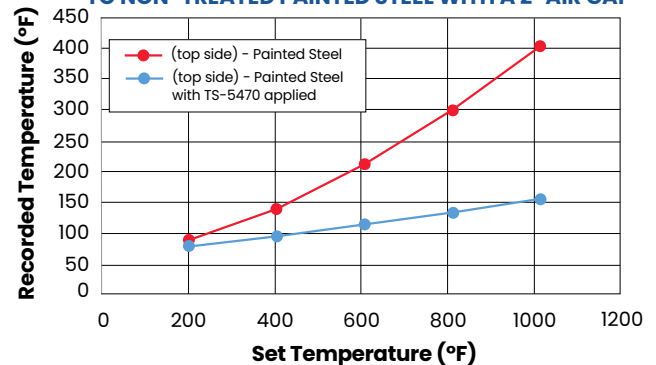
## High Temperature Test Rig

- Cylindrical heat source variable from 80°F to 1300°F
- Distance from heat source to sample material variable from 0.5" to 5.0"
- System measured at steady state
- Average temperature of heat source, hot side and cold side are recorded



TUFshield TS-5470 thermal barrier is effective at reducing thermal loads in areas with high heat sources where little space is available.

## PAINTED STEEL WITH TUFSHIELD™ MATERIAL COMPARED TO NON-TREATED PAINTED STEEL WITH A 2" AIR GAP





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### Technical Information

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.

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