SPECIFICATION SHEET — PRODUCT NAME: STICKY™ SHIELD

SECTION 1: APPLICATIONS

Stick on radiant heat shield for: Vehicles, Heavy Duty Equipment, Industrial Equipment, Automotive, Exhaust, Pollution Control, Appliances, Cabinets, and many more.

Industries Served

- Automotive
- Marine
- Heavy Duty
- Power Generation
- Appliance
- Fire Protection
- Foundries
- Petrochemical





SECTION 2: FEATURES AND BENEFITS

Utilizes a flexible embossed aluminum foil laminated to a glass fiber paper and a high tack auto grade pressure sensitive adhesive on one side. Rugged aluminum coating is resistant to water, oil, chemicals and the elements. May be stamped for mass production. Optional edging tape can seal edges to further its chemical resistance.

Values & Benefits

- Rugged 3.0 mil 1100 Aluminum
- OEM grade PSA
- Capable of being cleaned after install
- Reflects up to 90% of radiant heat
- OEM Stamping/cutting for production

SECTION 3: TECHNICAL DATA

Temperature Parameters:

Base Fabric Service: **1000°F**
Base Aluminum Service: **1100°F**
Reflectivity: **90% > (ASTM F1939 & Mil-C-24929A)**

Physical Characteristics

Fiber content: **Fiberglass**
Electrical: **Conductive**
Available Thickness: **0.125"**
Lining: **With and without PSA**
***Additional higher temp PSA available**
Weight: 0.20 lbs sq/ft
Finish/coating: **3.0 mil embossed aluminum**
Color: **Aluminum/White**
Master sheets: **47" x 48"**
Base PSA service temp: **300°F**

ESTIMATED THERMAL CONDUCTIVITY — FIBERGLASS INSULATION
Representative through-thickness conductivity values

Mean Temperature	Estimated Conductivity (W/m·K)
25°C (77°F)	0.035
100°C (212°F)	0.045
200°C (392°F)	0.060
400°C (752°F)	0.110

Technical Note:
Thermal conductivity values are engineering estimates based on published data for comparable E-glass fiberglass insulation paper. Values are provided for preliminary engineering reference only and have not been independently verified for Sticky Shield.

Actual thermal performance may vary depending on material density, compression, temperature, and installation conditions. Values represent the estimated conductivity of the fiberglass insulation layer only and do not represent tested performance of the complete aluminum-faced, adhesive-backed assembly.

Listed temperatures represent insulation reference temperatures, not the maximum service temperature of the finished product.