

Product Highlights

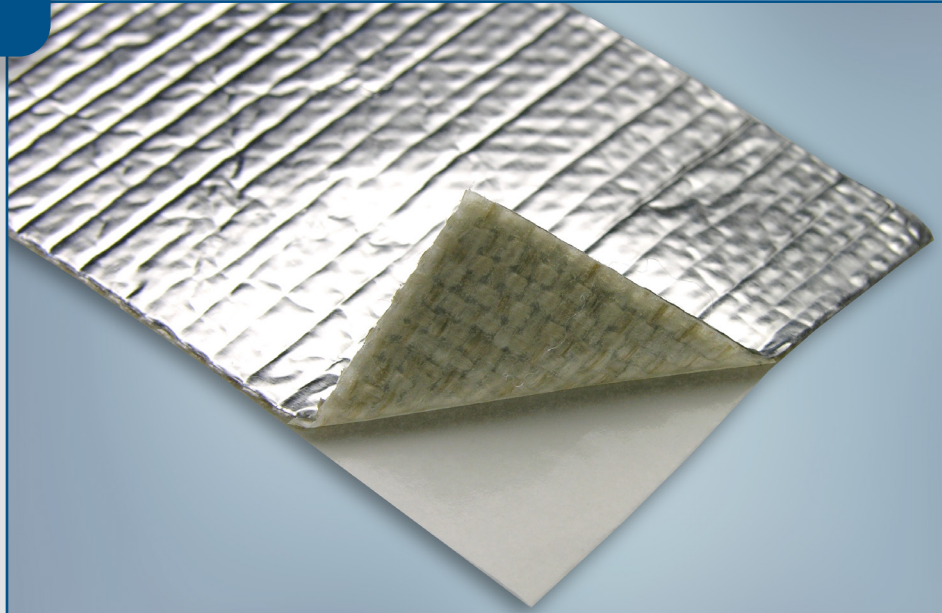
- Operating temperature up to +200°C (+392°F)
- Excellent radiant heat protection
- Adhesive backed for peel and stick applications
- Superior adhesion to low surface energy plastics (such as HDPE, PP) and excellent on PA and metals
- Easy installation for complex geometries
- Available in custom designs
- Fluid and chemical resistant

Typical Applications

- Fuel Tanks and Coolant Bottles
- Plastic and Metal Troughs
- Polypropylene Applications
- Other Low Surface Energy Plastic Components



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)



ReflectShield® 1805 is a woven fiberglass fabric that has an aluminum foil laminated to its outer surface and a pressure sensitive adhesive on its inner surface. The unique, multipolymer adhesive exhibits high adhesion to low surface energy plastics such as HDPE, polypropylene and gas filled polypropylene. It has been designed to show very good adhesion properties also after heat ageing and fluid projections.

ReflectShield 1805 provides superior protection from radiant heat for plastic components and areas where a self-adhering, thermal protection system is required. ReflectShield 1805 can also be applied to metal heat shields to increase their thermal performance and slit to custom widths and lengths or die-cut to complex geometric shapes.

Performance Data – ReflectShield® 1805

Property	Test Method	Result
Temperature Rating		-40°C to +200°C (-40°F to +392°F)
Heat Aging 240hrs at +225°C (+437°F)	ISO 6722	No visible degradation or delamination
Low Temperature Resistance	BH 100-016A	Pass -40°C (-40°F)
Peel Resistance	PSTC 101	> 15 N/cm
Flammability	SAE J369	Self-extinguishing
Fluid Resistance	BH 100-003B	No delamination or cracking

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Construction and Typical Product Characteristics

Outer Layer: Aluminum

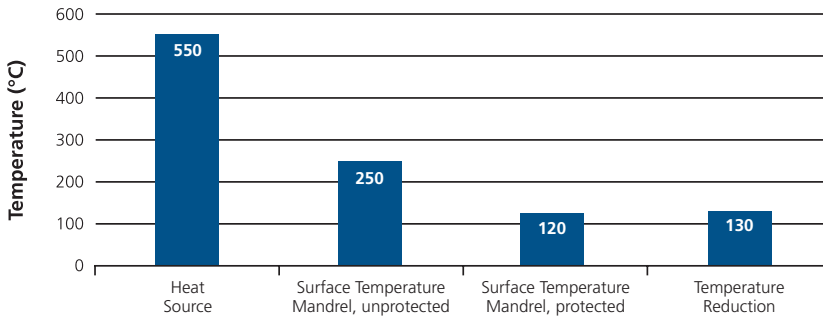
Inner Layer: Special adhesive materials

Availability

ReflectShield® 1805 is a customized product and is available in various designs to meet specific application requirements. Color is aluminum(silver).

Please contact your sales representative for availability.

Typical Thermal Performance (SAE J2302)



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
 EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
 Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565
www.systemsprotection.com



For informational purposes only. SP makes no warranties as to the accuracy or completeness of the information provided herein and disclaims any liability in connection with its use. SP's only obligations are those provided in its terms and conditions of sale for this product, and SP will not be liable for any damages, whether direct or indirect, arising out of the use or misuse of this product. Users should undertake their own evaluations to determine the suitability of the product for specific applications. ©2024 Systems Protection - A Tenneco Company, manufacturer of Bentley-Harris protection products.

RSH1805-NA(EN-LTR)A