

Product Highlights

- Operating temperature up to +225°C (+437°F)
- Excellent radiant heat protection
- Adhesive backed for peel and stick applications
- Superior adhesion to low surface energy plastics
- 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® 1435SA2 is a woven fiberglass fabric with aluminum foil laminated to its outer surface and a pressure sensitive adhesive to its inner surface. This peel and stick laminate provides superior radiant heat protection for a variety of components including areas of complex geometry or difficult fixation.

Utilizing the base ReflectShield 1435 substrate and applying a superior multipolymer adhesive, ReflectShield 1435SA2 delivers superior adhesion to low surface energy plastics including HDPE, polypropylene and gas filled polypropylene while continuing to maintain excellent adhesion to other substrates including metals.

ReflectShield 1435SA2 can be slit and sheeted to custom size or 2D die cut to accommodate complex shapes as well as is available with a variety of different backer paper materials and configuration options including tape tabs, cracked liner or kiss cut.

Performance Data – ReflectShield® 1435SA2

Property	Test Method	Result
Temperature Rating	240 hours at +250°C (+225°C rating)	Pass +225°C (+437°F)
Thermal Endurance	"No degradation or delamination (25mm above a 537°C heat source for 6 hours)"	Pass
Low Temperature Flexibility	SAEJ2192	Pass -40°C (-40°F)
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing - Type B
Fluid Resistance	D47 1924 and RNDS-B-00217 made on polypropylene plates	Pass and classified FMT (resistance to all engine fluids) when tested with Motor oil, Mineral Hydraulic Fluid, Automatic Transmission Fluid D, Zinc Chloride, Brake Fluid Dot 4, Battery Fluid, Urea of cleanup, Reducing agent for nitrogen oxides

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

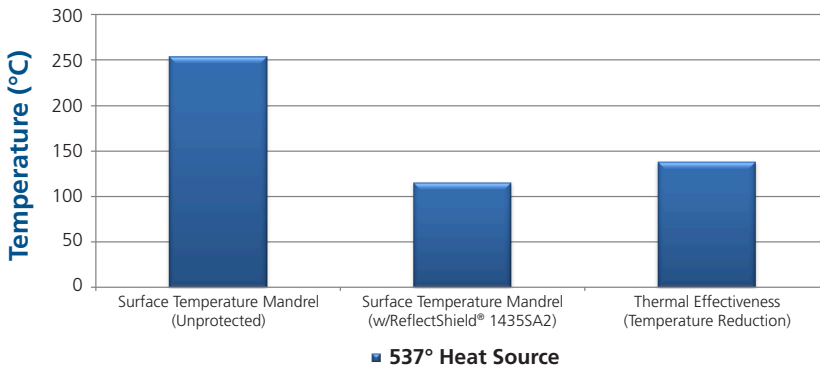
Inner Layer: Fiberglass multifilament with special pressure sensitive adhesive (PSA) backing

Availability

This product is designed to customer specific application, geometry and performance requirements.

Due to the nature of this custom product, please consult your local sales representative for more details.

Typical Thermal Effectiveness (SAE J2302)



Note: Mandrel is parallel to and 25mm (1") away from heat source



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