

Product Highlights

- Operating temperature up to +175°C (+347°F)
- Narrow Profile
- Highly efficient thermal insulating substrate
- Can be self-adhered directly to component
- Die-cut material
- Low tooling costs
- Short lead times
- Eases installation
- Outstanding dissipation of surface temperature
- Available with various attachment methods

Typical Applications

- Under carpet
- Engine compartment
- Underbody
- Plastic component protection



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



ReflectShield® 1440P is a three-layer composite system designed to provide excellent protection for components that must survive in high temperature areas. Aluminum is used as the outer layer for reflectance of radiant heat while the second inner layer utilizes polyester for insulation. The third layer can be a pressure sensitive adhesive (PSA) or a second layer of aluminum. The resulting product can then be slit to width and length or die cut into complex geometric shapes.

Use of a pressure sensitive adhesive allows the product to be adhered directly onto a component, which reduces both tooling costs and lead times. If mechanical attachment methods are preferred, the PSA is replaced by the second layer of aluminum. Accessories such as clips can then be assembled to the product for attachment purposes.

ReflectShield 1440P does an outstanding job of dissipating surface temperatures to protect components and its low profile allows the product to be used under carpet as well as in engine compartment and underbody applications.

Performance Data – ReflectShield® 1440P

Property	Test Method	Result
Temperature Rating	168 hours at +175°C (+347°F)	No degradation
Thermal Endurance	BH100-503	No degradation or delamination (25mm above a +538°C heat source for 6 hours)
Low Temperature Resistance	BH100-016C	Pass -40°C (-40°F)
Flammability	SAE J369	Self-extinguishing
Fluid Resistance	BH100-003B	Pass

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
Middle Layer	Polyester (PET) non-woven
Inner Layer	Pressure sensitive adhesive (PSA) or Aluminum

Availability

ReflectShield 1440P is a customizable product and is available in various designs to meet specific application requirements. Color is aluminum (silver). Please contact your sales representative for availability.



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