

## Product Highlights

- Operating temperature up to +200°C (+392°F)
- Excellent radiant heat protection
- Adhesive backed for peel and stick applications
- Easy installation for complex geometries
- Available in custom designs
- Fluid and chemical resistant

## Typical Applications

- Engine Covers
- Clips and Connectors
- Fuel and Brake Lines
- Other Plastic or Metal Components

**ReflectShield® 1435** 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 an acrylic based adhesive system, ReflectShield 1435 provides excellent adhesion for a variety of substrates while maintaining performance during heat ageing and fluid exposure.

ReflectShield 1435 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.



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

# Performance Data – ReflectShield® 1435

Property	Test Method	Result
Temperature Rating	240 hours at +225°C (+200°C rating)	Pass +250°C (+392°F)
Thermal Endurance	25mm above 537°C heat source for 6 hours	No degradation or delamination
Low Temperature Flexibility	SAE J2192	Pass -40°C (-40°F)
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing - Type B
Fluid Resistance	D47 1924	No visible degradation or alteration after being exposed to the following test cycles: <ul style="list-style-type: none"> <li>• Immersion for 15s at 23°C, followed by a drying period of: <ul style="list-style-type: none"> <li>– 24h at 150°C: motor oil, automatic transmission fluid, manual transmission oil.</li> <li>– 24h at 23°C: zinc chloride, brake fluid.</li> </ul> </li> <li>• Immersion for 48h at 70°C, followed by a drying period of: <ul style="list-style-type: none"> <li>– 24h at 23°C: Urea of clean up Ad blue.</li> </ul> </li> <li>• In vapour for 2h at 70°C, followed by a drying period of 4h at 23°C: battery fluid</li> <li>• Vaporization, 10 times, each vaporization followed by a drying period of 27min: <ul style="list-style-type: none"> <li>– At 40°C for gazole, unloaded petrol 98, Std fuel C + 15% methanol, E85 bio ethanol.</li> <li>– At 70°C for windscreen washer.</li> <li>– At 118°C for engine coolant.</li> </ul> </li> </ul>

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

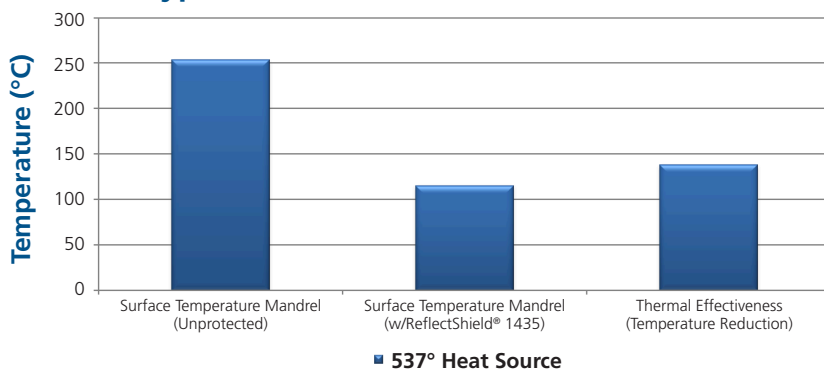
Outer Layer	Aluminum
Inner Layer	Fiberglass multifilament with a pressure sensitive adhesive (PSA) backing

## 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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