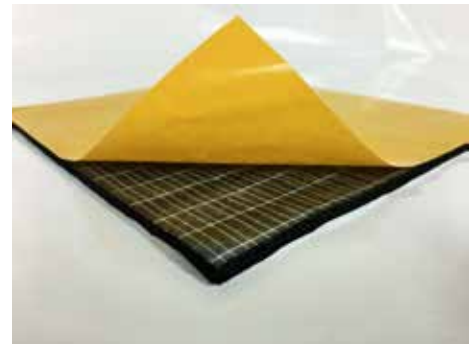
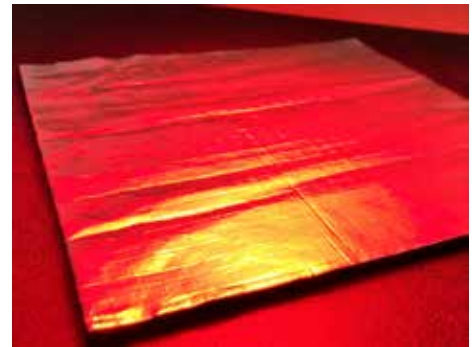


Technicon Acoustics TECH SHIELD™ TS-040 is designed to shield components from radiant heat sources. The high performance PSA offers quick and easy installation to a wide variety of surfaces.



## Performance

Made from a flexible and lightweight inorganic core that is naturally flame retardant and thermally insulating, our new TECH SHIELD™ TS-040 offers a noticeable drop in “cold side” or “body side” temperatures allowing for improved comfort inside cabins and operator environments.

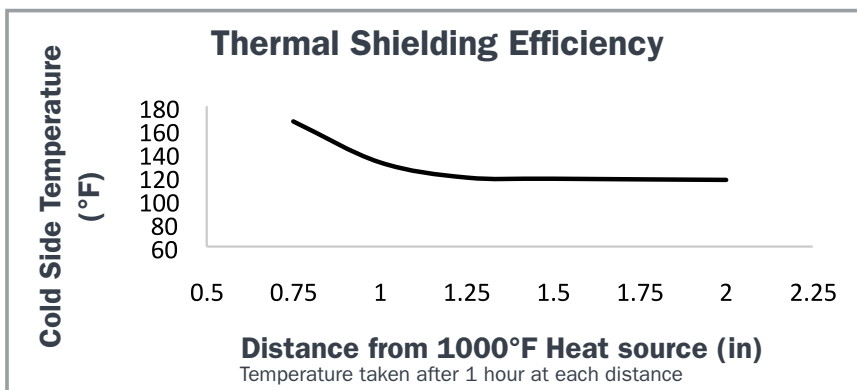


## Common Applications

- Firewall & Underbody
- Exhaust & Turbo Trouble Areas
- Hose & Tubing Protection
- HVAC Thermal Protection
- Fuel Tank Shielding

## Features/Benefits

- Protection from 1000 °F heat sources as close as 1” away
- Overall thickness of 0.125” allows for installation in tight spaces
- Naturally fire retardant core material
- Low tooling costs & short production lead time
- High-temp PSA with EZ Peel liner for installation to a variety of substrate



*\*Note, this temperature drop requires the Aluminum Facing to be exposed to the radiant heat source\**

## Product Information

**PRODUCT: TECH SHIELD™ TS-040**

**PRODUCT DESCRIPTION:** Normal 0.125' thick proprietary blend of inorganic fiber w/ reinforced aluminum face and permanent .003' acrylic adhesive w/ easy peel release liner.

**FIBER & FACING**

Physical Property	Description - Value	Tolerance	Test Standard
Material	Inorganic Fiber w/ Reinforced Aluminum Face	NA	NA
Color	Silver	NA	NA
Areal Weight	15 oz/sq. yd.	+ - 10%	NA
Flammability	Self-Extinguishing	NA	FMVSS-302
Chemical Resistance	Resistant to most alkalines, solvents, acids, UV light and will not support mold or mildew growth	NA	NA
Temperature Range	Can be placed 1 inch away from a 1000 °F heat source	Continuous	1800 °F intermittent
Thermal Conductivity	.019 BTU/hr.°F-ft2 @ 75 °F .025 BTU/hr.°F-ft2 @ 212 °F	+ - 10%	NA
Heat Soak Resistance	138°F cold side, 1" from 1000°F heat source		8 hr heat soak

**PSA**

Physical Property	Description - Value	Test Standard
Material	Acrylic	
Type	Scrim supported	
Thickness	3.1 mils	
Peel Adhesion, 23 micron Polyester	57.6 oz/in	1 min Dwell, Powder-coated Aluminum
Peel Adhesion, 23 micron Polyester	100.8 oz/in	24 hr Dwell, Steel



THE VALUES PRESENTED ARE TYPICAL AND ARE NOT INTENDED FOR SPECIFICATION PURPOSES. This information is provided without warranty, representation, inducement or license of any kind. INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PURPOSE, except that it is accurate to the best of Technicon Industries' knowledge or obtained from sources believed by Technicon Industries to be accurate, and Technicon Industries does not assume any legal responsibility for the use or reliance upon same. Customers are encouraged to conduct their own tests for suitability and conformance.