

**THE LEADER IN INSULATION & THERMAL HEAT MANAGEMENT**



- **REMOVABLE AND REUSABLE FLEXIBLE INSULATION SOLUTIONS CUSTOMIZED TO ANY DESIGN**
- **CAPABLE OF HANDLING CONTINUOUS OPERATING TEMPS OF UP TO 2800 F OR 1500 C**



- **ISO 9001: 2015 CERTIFIED MANUFACTURING UNIT**
- **IATF 16949: 2016 CERTIFIED MANUFACTURING UNIT**
- **UL 2200 CERTIFIED MANUFACTURING UNIT**

**INDUSTRIES WE SERVE**

- **ON ROAD • OFF ROAD • MARINE • POWER GENERATION • AND MORE...**

# EXPERTISE

The company's manufacturing expertise is due to its commitment to quality having established an ISO and IATF certified facility overseen by personnel with over 20+ years ISO implementation experience and Six Sigma Black Belt. Our production and supply chain performance is certified with current Tier 1 vendor status in supplying major Global OEM customers for over a decade. Our proven business model with experienced management in the US and India has demonstrated our ability to deliver a technology product that is high quality and low cost on a host of applications.



# TRACK RECORD

**Experience:** Delivered over a million products on hundreds of different platforms to dozens of customers with a wide variety of solutions for applications on internal combustion engines

**Production:** Manufacturing plant in India UL 2200, ISO 9001:2015 certified & IATF 16494:2016 certified utilizing key production efficiency programs (Poka-Yoke, Kaizen & others)

**Technology:** Experienced team using CAD software CATIA & SolidWorks (design and output in IGS & STP formats) to develop solutions in 2D & 3D

**Customers:** Tier 1 registered vendor for various global on/off-road applications, marine, rail & engine manufacturers

**Reliability:** Ranked as one of the top-performing thermal insulation heat shield suppliers In India





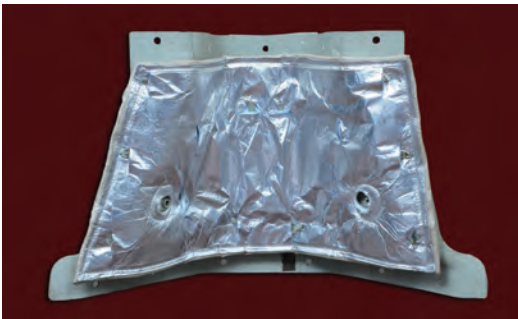
# PRODUCTS

## Uses

- Insulating components generating high levels of heat on key applications (exhaust systems, manifolds, mufflers)
- Protects sensitive components from external heat sources
- Effective for exhaust systems exposed to weather / road conditions
- Reduces wear & tear on components
- Assists on climate control through insulating various areas of the vehicle
- Helps achieve emission standards by maintaining temperature level through exhaust system

## Performance Capabilities

- Materials capable of handling continuous operating temps of 2800° F (1500° C)
- Flexible textile-based material able to be shaped and molded to any design with zero tooling costs which allows for rapid prototyping and ease of making changes
- Thickness of insulation from 1-50mm to accomplish required clearance level & temperature performance



**Ease of design:** No changes required to customer application due to flexibility of product shape and thickness. Can be made into any size and configuration with no additional design time or tooling costs.

**Construction:** Various woven or non-woven materials with a wire/textile mesh backing (if required) combined into a multi-layered product typically between 2-5 layers. Technical Data Sheets and MSDS are available upon request.

**Installation:** Attaches in a variety of ways specific to application needs (Velcro, wire, SS hooks & washers, springs & rings, buckle & straps using D-rings, SS snaps) all of which allow the Q-Shield™ product to be removed and re-installed reducing installation time and maintenance downtime.

## ***ABOUT QUSA THERMAL INC***

With the Q-Shield™ product, we have been generating insulation solutions for high heat applications across many industries since 2003. Headquartered in Florida and producing from our specialized manufacturing facility in India, we're a Tier 1 vendor for various global automotive, heavy duty equipment, agricultural, industrial, marine, rail, and engine manufacturers. QUSA Thermal has established itself as a premier provider of high-grade thermal insulation technologies to the global marketplace. We provide safe, reliable, and efficient solutions to our customers.

## ***SERVING YOUR NEEDS WORLDWIDE***



Q-Shield™ provides a low-cost, high quality, completely reliable engineered thermal insulation solutions that are applicable across a wide variety of industries.

Contact us today to find out how Q-Shield™ will solve your thermal challenges:



[www.qusathermal.com](http://www.qusathermal.com)