



MULTI-LAYER ACOUSTIC HEATSHIELD

GENERAL DESCRIPTION

An Ultra-High Performance, Patented, Tri-Layer Thermal & Acoustical HeatShield

PRODUCT HIGHLIGHTS

- ✓ Provides significant temperature drop across the shield when facing extreme temperatures
- ✓ Does not ring or resonate, providing acoustical damping of engine and exhaust noise
- ✓ Flexible design and manufacturing process enables meeting customer’s specific thermal needs
- ✓ Durable and resistant to automotive environments



APPLICATIONS

Typical Automotive Applications include Exhaust Manifolds, DownPipes, Catalytic Converters, TurboChargers, Turbo Outlet Pipes, Exhaust Cross-Over/Cross-Under Pipes, Mufflers, Resonators, X-Pipes and Y-Pipes.

THICKNESS	Typical Thickness (all 3 Layers) is 0.25mm to 1.10mm
MATERIAL SELECTION	Common Materials include Aluminized Steel, 304/409/439 Stainless Steel and Aluminum
ASSEMBLY	Depending on the Material Selection, ThermaShield may be Banded, Welded or Bolted

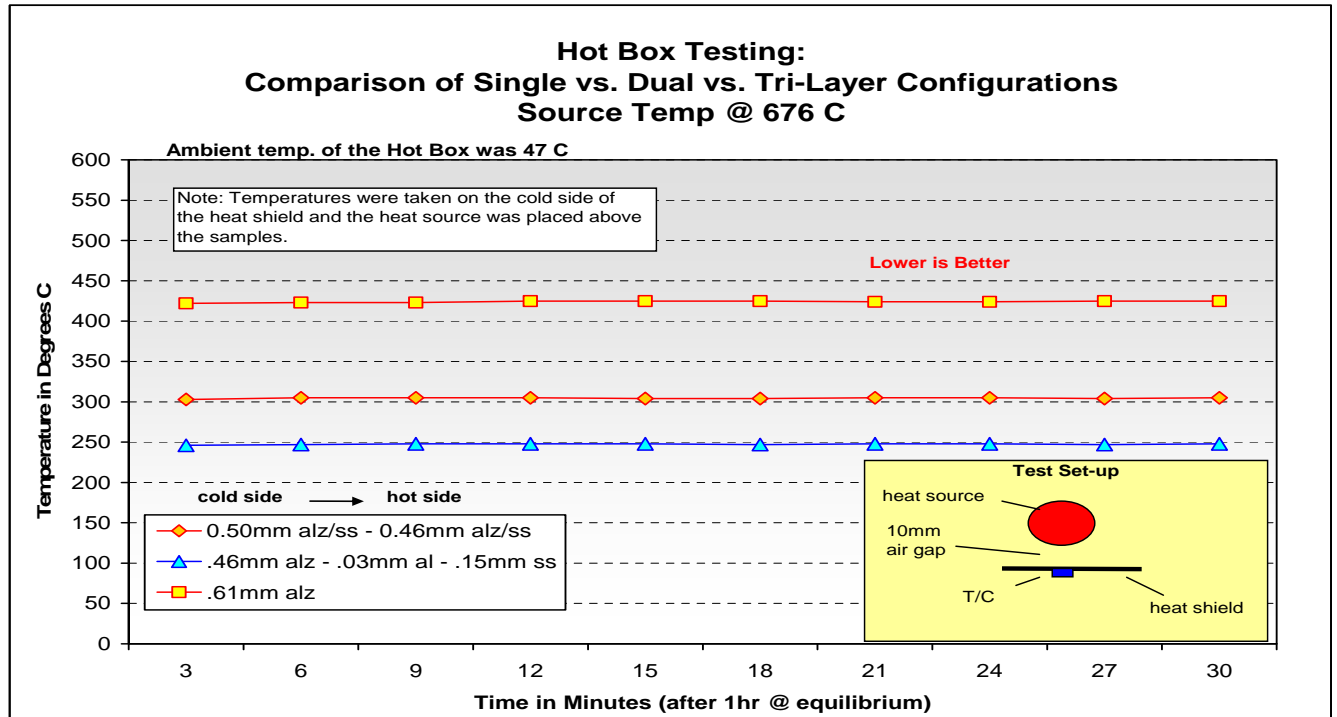
OTHER PROPERTIES

- ✓ All 3 Layers of ThermaShield are stamped simultaneously, which requires only 1 Tool
- ✓ Materials for each Layer can be selected to meet Customer-specific Thermal Scenarios
- ✓ Materials used efficiently to Reduce Mass and Cost



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THERMAL PERFORMANCE



ACOUSTIC PERFORMANCE

