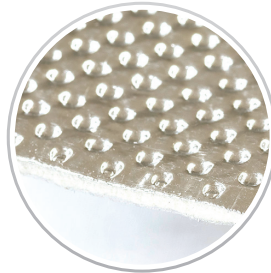


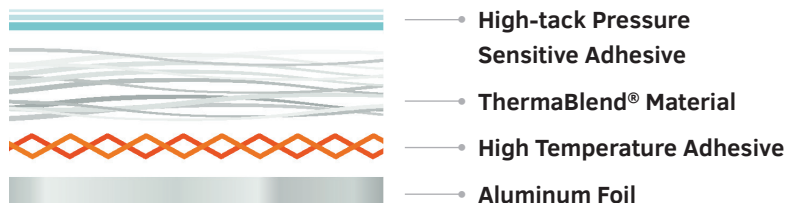
# ThermaBlend<sup>®</sup> SHIELD

## A lightweight self-adhesive composite with targeted thermal protection.

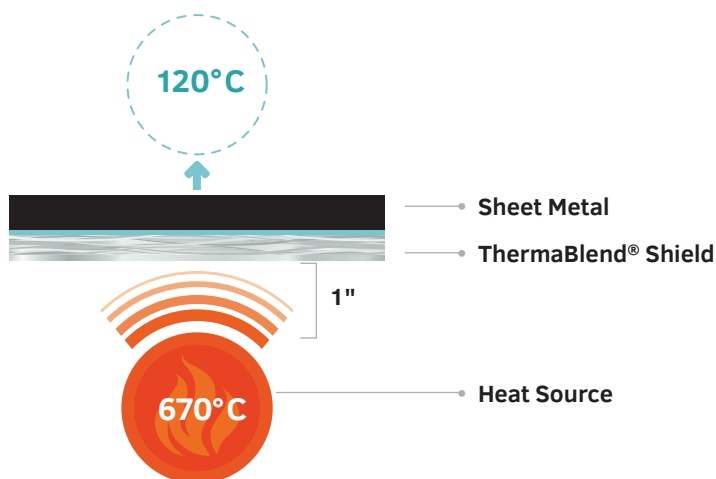
ThermaBlend<sup>®</sup> Shield is an exclusive technology from CTA Acoustics, providing versatile, localized thermal protection. Our patented, ultra-lightweight composite is an alternative to traditional metal heat shields, perfect for heat-resistance in tight areas and on irregular surfaces. ThermaBlend<sup>®</sup> Shields are constructed of a unique blend of needled fiberglass and polyester with a high temperature adhesive, an aluminum foil layer for heat dissipation, and a high-tack pressure sensitive adhesive (PSA) backing for ease of attachment.



### ThermaBlend<sup>®</sup> Cross Section



### Superior Thermal Performance



### Features

- Meets OEM specifications
- PSA designed to adhere to high & low surface energy materials
- Product flexibility provides ease of application to irregular surface geometries
- Designed for applications where space is at a premium
- Alternative adhesives & foils available to address different surface, temperature & environmental conditions

### Properties

- Fiber Material: Fiberglass & Polyester Blend
- Composite Thickness: 4.0 mm
- Weight: 900 g/m<sup>2</sup>
- Foil Thickness: 0.002"
- Cold Temperature Resistance (-40°C for 24h): Pass
- Hot Temperature Resistance (200°C for 168h): Pass
- Adhesive Strength (ISO 8510-2)\*: 20 N/cm
- Moisture absorption: 1%
- Tear Strength (ASTM D2261)\*: 100 N
- Tensile Strength (ASTM D5034)\*: 100 N/cm<sup>2</sup>
- Thermal Conductivity (ASTM C518): 0.04 W/m<sup>2</sup>K (@24°C)

\*Composite with 0.002" Al foil