



## Diver Consolidated Industries

DCI is a leading Australian designer and manufacturer of patented Thermal & Acoustic Shields. Our technology enables us to create superior heat/acoustic shields that are lightweight, recyclable and cost efficient. Robust acoustic shields are produced, tuned to abate desired frequencies and can be combined with heat shields providing a total thermal/acoustic solution.



## THERMAL AND ACOUSTIC SHIELDING

### Thermal & Acoustic Shields

#### Thermal - Heat Management Shields

Heat shields are constructed of embossed aluminium in single or multiple layers, dependant on the insulation rating required. Steel and other alloys can also be layered in high heat applications.

#### Properties

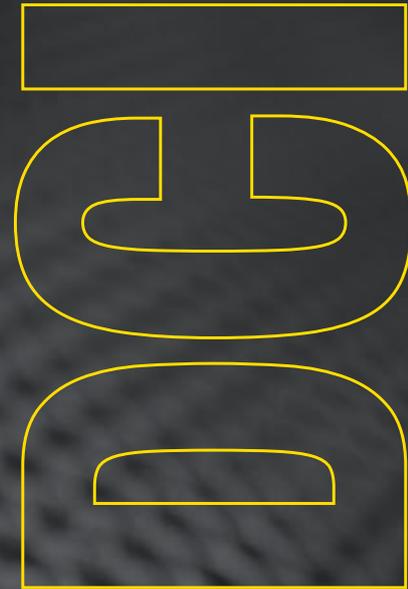
- Reflect Radiant energy
- Laterally conduct heat
- Act as an Insulating barrier
- Environmentally efficient and fully recyclable
- Can be formed to suit application
- Cost effective & easy to install

#### Acoustic Shields

Robust acoustic shields are constructed from a combination of materials in varying grades & thicknesses, to effectively dampen sound

#### Properties

- Tunable to frequency ranges
- Zero Burn Certified
- Resistant to petro chemicals
- Lightweight and economical
- Can be pre-attached and installed with heat shield





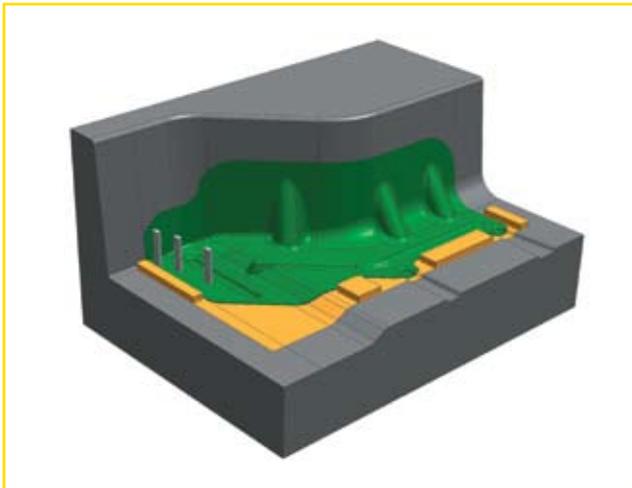
### Materials

Heat Shields:

- Steel
- Aluminium
- Stainless
- Single or multiple combination layers

### Acoustic Shields:

- Polyester
- Fibreglass
- Ceramic paper
- EPDM – Foams
- Acoustic blankets



Shields are designed, manufactured and pre-formed to suit the application.



CAD/CAM Capabilities to create and customise shields.

## Shield Applications



Single layer engine shields



Multiple layer fuel tank heat shields



Heat and acoustic manifold shield ACMS layer construction



Transmission tunnel heat and acoustic shield



High temperature exhaust cat shields



Customised race applications

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