DESIGN ENGINEERING, INC.

INNOVATIVE
HEAT & SOUND
CONTROL
SOLUTIONS

FAQ'S
REFLECTIVE HEAT BARRIERS

Why should I use reflective materials?
Reflective materials reduce heat soak to interiors, keeping drivers cool. They also block heat from floorboards, gas tanks, fairings, transmission tunnels, and engine components. Heat reflective materials also protect wires, cables, hoses, pipes and tubing from radiant heat sources that could cause damage or shorten component life, and prevent things like vapor lock or starter heat soak.

How do these reflective materials work?
The outer layers reflect heat away like a mirror, while the glass fiber backing layers insulate and protect. Simple peel and stick application on selected products make quick work of protecting critical areas, while others can attach with hook and loop enclosures.

What's the difference between Reflect-A-Gold and Reflect-A-Cool? Why would I pick one over the other?
Gold reflects 17% more heat than Cool, but Cool is more affordable. Use Gold in the areas where heat is most critical. Use Cool everywhere else. Also use Gold when the heat source is closer to the area that needs protected.

Are any of these materials electrically conductive?
Yes, the aluminized sheets are. You'll need to insulate any open connections where they might come into contact.

Can I use heat reflective barriers on my exhaust pipes?
No. Heat reflective barriers are meant to reflect heat away from a heat source and keep other things cool. They are not meant to be used as an insulation directly on exhaust pipes or headers.

What is the best application to choose Floor and Tunnel Shield instead of other materials?
Our Floor and Tunnel Shield heat barrier is our most robust heat barrier. It has a reflective dimpled aluminum layer with a 1/4" poly-glass fiber insulation backing. It has the ability to reflect and insulate against heat on firewalls, transmission tunnels and other areas that have a need for high heat reflectivity. It is installed by the adhesive backing on the material.