



# HEAT SHIELD

## DESCRIPTION

Heat Shield is our top of the line Heat absorption product. Produced and tested specifically for South Africa's harsh climate and we guarantee your satisfaction in our product. It is a self-adhesive Heat Shield used to absorb heat under the bonnet of cars or tractors, also in generator boxes or rooms as well as in factories and in boat engine bays. With aluminium heat shield that can block off heat up to 400°C this will help ensure a cool lifestyle, on the road, in the factory, on the water or on the farm while saving money, time and energy.

## CHARACTERISTICS

- Waterproof, heavy duty, clean, light, flexible.
- Fire resistant
- Recyclable, environmentally friendly
- Effective in extreme temperatures both hot and cold
- Easy to install
- No special glues or heat guns required
- Self-adhesive, peel and stick.
- Safe to handle with no special clothing or breathing Equipment

## APPLICATIONS

- Automotive, Marine & Agricultural
  - Under Hood of vehicle or boat
  - Firewall of the vehicle or boat in the engine bay
- Building Thermal Insulation Material
  - Corrugated Roof Underlay
  - Stud Wall, Metal Frame Building Insulation.
- Industrial
  - Protective coatings of ducts & pipes
  - Shells of air conditioner and water heater.
  - Generator boxes/rooms

## INSTALLATION

- Use scissors, knife or die to cut material to the desired size.
- Remove dust, grease and moisture from the surface.
- Peel off the backing.
- The simplest application technique is to bend the mat slightly and attach it along its shortest edge.
- Press the mat firmly into place.
- The roller reduces the risk of leaving air pockets, which reduce material's sound damping capacity.
- Heating the material is NOT necessary.
- Work gloves should be used when handle foil backed material because the sharp edges when cut to different size.

## SPECIFICATIONS

### Appearance:

Dark grey closed cell foam with aluminium foil facing.

### Thickness:

6mm

### Aluminium Foil Thickness:

1mm

### Weight:

0.059 (kg /m<sup>3</sup>)

### Density:

0.90 (kg /m<sup>3</sup>)

### Tensile Strength:

≥19 KPa

### Tear Strength:

2.4

### Test: Stop Noise in vehicle:

Install in the vehicle hood to stop noise rate ≥4.2dB

### Test: Stop Heat in vehicle:

Install in the vehicle hood, heat insulation rate ≥48%

### Temperature Range:

-40°C to +120°C

### Chemical Resistance:

Resistant to water and mineral oils

### ISO Approved:

ISO2001: 2008

### Storage Information: Number of Rolls in Box:

1 roll per box.



NOISE AND HEAT REDUCTION

52 Corundam Avenue, Mayfield Park, Johannesburg, 2190 • Phone: 083 713 7376 • [www.noiseandheatreduction.co.za](http://www.noiseandheatreduction.co.za)



# HEAT SHIELD

## TECHNICAL INFORMATION

**Coverage per sheet:**

1.1m<sup>2</sup>

**Weight per sheet:**

2.2 kg

**Dimensions per sheet:**

813mm x 1372mm

**Heat Shield Uses:**

### NOISE REDUCTION USES

Though this product is designed to predominantly offer thermal protection, it can also drown out noise to a certain extent, thanks to the fibrous, organic core layer that captures and eliminates some of the sound waves that try to creep up into a cabin.

### THERMAL INSULATION

Heat Shield is the best thermal insulation mat we offer.

This self-adhesive barrier is designed to face the heat source directly to reflect radiant heat and dissipate convectional heat up to 400 degrees c.

**What are the most common and most effective uses for Heat Shield?**

Most people like to use Heat Shield under their bonnet or on their firewall, but it also works great for blocking exhaust heat. Really anywhere you can apply Heat Shield facing a heat source is an effective place to apply it.



NOISE AND HEAT REDUCTION

52 Corundam Avenue, Mayfield Park, Johannesburg, 2190 • Phone: 083 713 7376 • [www.noiseandheatreduction.co.za](http://www.noiseandheatreduction.co.za)