

Features/Applications

GREMSHIELD® 095ALU18AD is a flexible heatshield made of an aluminum foil laminated over a thin glass cloth with an acrylic adhesive on the inner surface.
GREMSHIELD® 095ALU18AD offers a continuous working temperature of -40°C up to +180°C. Its smooth and reflective outer surface provides an effective barrier to radiant heat.
GREMSHIELD® 095ALU18AD is suitable for the protection from a heat source of any temperature sensitive components (molded parts, reservoirs, tanks, etc).
Used intensively within the automotive sector.

Various

Standard colours: Reflective aluminum.
Available in bulk, die-cut, kiss cut pieces and in rolls.

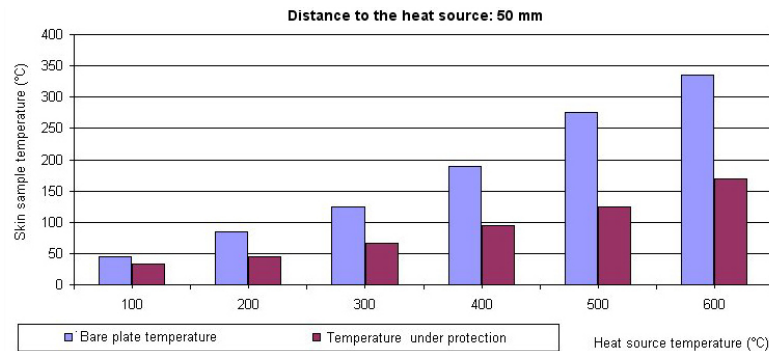
Dimensions

These parts are tailor-made to each customer's application.

GREMTEK's engineering department has significant application and design expertise. The designer teams will work with the customer to identify the best design in order to achieve the specified requirements.

The heat shields can be formed and shaped using a variety of methods from hook and loop, to press studs, to sewn solutions.

Heat reduction



Storage & application recommendations

For optimal product adhesion, it is recommended to dry and to clean the surface thoroughly before applying the part. Time lapse between sticking and heat exposure : 48 hours.
Product should be stored at room temperature and kept from humidity and heat.
Shelf life : one year when stored at less than 21°C (70°F) and 50% relative humidity away from sunlight.
Please refer to the recommended assembly procedure.

Property	Values	Test Methods
Physical Working temperature	-40°C to +180°C	-
Finishing	Acrylic adhesive	-
Aluminum foil thickness	18 µm	Against joining 1 face
Total thickness	0,18 mm	ASTM D 3652
Total weight	210 g/m ²	-
Flammability	Self extinguishing	FMVSS 302
	Type B	D45 1333
Chemical Fluid resistance	No delamination	D47 1924
Adhesive	Peel adhesion	ASTM D 3330
	Applying temperature	+10°C to +40 °C



18/05/2015 Rev3

Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.