

GREMSHIELD® 450ALU25AD

TECHNICAL DATA SHEET

GREMSHIELD® 450ALU25AD is a customised adhesive thermal protection system designed to stick to the products to be protected. It consists of fibreglass material which is aluminised on one side and coated with acrylic adhesive on the other. This pressure-sensitive adhesive is protected by a silicone-coated leaf.

It is mainly a vehicle engine radiation protection system for components subjected to heat such as injected or blown thermoplastic parts, pipes, boxes, etc.

Working temperature	-40°C to +235°C
----------------------------	-----------------

Standard colour	Aluminium.
------------------------	------------

Adhesive power	Retains at least 50% of its adhesive properties, even after prolonged use with the following fluids: <ul style="list-style-type: none">- Motor oil SAE10W40- Hydraulic system oil- Brake fluid- 3% salted solution mixed 50/50 with windscreen cleaning liquid (30 minutes at +150°C).
-----------------------	---



DIMENSION DATA

According to the application and environment; our R&D department will liaise with you to determine the most suitable product.

GREMSHIELD® 450ALU25AD

TECHNICAL CHARACTERISTICS:

		Standard requirements	Tolerances	Norms
CLOTH :				
Titration				
	Warp thread	EC6-210 tex	±5%	DIN EN 12654
	Wire of screen	EC6-210 tex	±5%	
Specific gravity				
	Warp thread	7/cm	±5%	DIN EN 1049
	Wire of screen	6/cm	±5%	
Tensile strength				
	Warp thread	175 N/m		DIN EN 12654
	Wire of screen	175 N/m		
Surface mass				
		270 g/m ²	±5%	DIN EN 12127
Armour				
		Cloth		DIN ISO 9354
IMPREGNATED CLOTH :				
Higher face				
	Coating	Self-adhesive aluminium foil 25µm		
Lower face				
	Coating	Modified acrylic adhesive		
Thickness				
		0,7 mm	±10%	DIN ISO 4602/E
Total surface mass				
		525 g/m ²	±10%	DIN EN 12127
Tensile strength				
	Warp thread	360 N/m		DIN EN 12654
	Wire of screen	240 N/m		

RECOMMENDATION APPLICATION

- Minimum recommended temperature: +12°C
- Time lapse between sticking and heat exposure: from 24 to 48 hours.

For optimal product adhesion, we recommend cleaning the surface thoroughly and applying the system with caution (either by hand or with a rubber rolling tool).

EXPIRY DATE BEFORE APPLICATION

These products must be applied before the expiry date indicated on the packaging.

NB: Adhesive performance is optimal for a 6-month period after application.

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. Gremco shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.