

THERMO BLOCK

SELF-ADHESIVE HEAT BARRIER

Fibreglass insulation with an aluminium reflective facing.

RADIANT HEAT RESISTANCE

Up to 500 °C

DIRECT CONTACT / SUBSTRATE

Up to 180 °C

PANEL SIZE

100 cm × 50 cm | 0.5 m²



PRODUCT OVERVIEW

Thermo Block is a 7 mm self-adhesive fibreglass heat and sound insulation panel with an aluminium top layer. It is intended for heat-exposed areas where conventional acoustic foam is unsuitable.

Reflective facing

Aluminium top layer reflects up to 95% of radiant heat.

Self-adhesive

PES/PVA scrim adhesive backing for straightforward installation.

Thermal & acoustic

Combines thermal and sound-insulating functions.

Compact panel

7 mm construction for restricted installation space.

High heat use

Suitable for applications exposed to radiant heat.

Silver finish

White fibreglass core with aluminium-coloured facing.

TYPICAL APPLICATIONS

- Engine bays, firewalls and transmission tunnels
- Cabins, floor sections and heat-exposed body panels
- Industrial equipment and machinery housings
- Heat and noise control where foam insulation is unsuitable

TECHNICAL SPECIFICATIONS

Thermo Block self-adhesive heat barrier panel

PROPERTY	VALUE
Article code	HS07TBA50
Finished thickness	7 mm
Panel size	100 cm × 50 cm
Material	Fibreglass with aluminium top layer
Top layer colour / thickness	Silver / 100 µm aluminium
Direct contact / substrate temperature	max. 180 °C
Radiant heat resistance	max. 500 °C
Adhesive temperature range	-40 °C to +90 °C
Adhesive material	PES/PVA scrim
Adhesive weight / thickness	90 g/m ² / 0.1 mm
Adhesive strength	min. 18 N / 25 mm

BASE FIBREGLASS LAYER DATA

PROPERTY	VALUE
Base material	Fibreglass needle mat
Base-layer thickness	7 ± 1 mm
Glass-fibre thermal stability	550 °C
Thermal conductivity at 20 °C	0.039 W/m·K
Thermal conductivity at 100 °C	0.047 W/m·K
Thermal conductivity at 250 °C	0.069 W/m·K

AVAILABLE ROLL FORMATS

THICKNESS	ROLL SIZE
4 mm	1 m × 30 m
7 mm	1 m × 12 m
12 mm	1 m × 20 m