

NEW PRODUCT

**HARD
SHELL**

**CAR THERMAL
SHIELD**



AL
99,3%
(aluminum)

**STAN
DART
PLAST**

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HARD SHELL

CAR THERMAL SHIELD

A PRODUCT OF NEW GENERATION

PACKAGE
(BACK SIDE)



PACKAGE
(FRONT SIDE)

SHEET
OF MATERIAL



HARD SHELL

CAR THERMAL SHIELD

AREAS OF APPLICATION:

- Exhaust system
- Engine compartment

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

- Operating temperature range: from -45 to +500°C
- Flammability: nonflammable (GOST 25076)
- Heat-stability coefficient: 2.5
- Airborne noise insulation index within a frequency range between 100 and 3150 Hz: 16 Db

AL

99.3%
(aluminum)

SHEET SIZE

**500
X
500
MM**

3 MM

**SHEET
THICKNESS**

IN A PACK

**5
SHEETS**

**STAN
DART
PLAST**

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HARD SHELL

And what is the Effect?



HEAT INSULATION



SOUNDPROOFING



CORROSION CONTROL



NONFLAMMABLE



ENVIRONMENTALLY SAFE



SUPPLIED TO FACTORIES

HARD SHELL

And how to install?

- 1** A heat shield should be installed on a cold car. Drive the car into the inspection pit, and wear protective gloves when installing the heat shield.
- 2** Clear the mounting surface and remove the elements of the standard heat shield.
- 3** Meter the section of the bottom side under the exhaust system you are planning to install the heat shield on (length, width, outline).
- 4** Cut the material sheet if necessary. Use tin snips. You may joint several sheets using pull buttons.
- 5** It is advisable to make a template for an item with irregular shape.

6

Fit the heat shield item to the bottom side of the car, cropping it if necessary.

7

Mark the location of fixing holes on the item, for the pins used in the car.

8

Make holes according to the markings using a punch of a required diameter, or a screw gun with a drill of a required diameter (usually it is not more than 6-8 mm).

9

Place the heat shield item on the bottom side of the car matching the fixing holes with the pins. The shield shouldn't touch the elements of the exhaust system to avoid vibration and noise.

10

Fix the item on the bottom side of the car using fastening elements (spring washers or screws with washer rings).

11

When the heat shield is fixed, start the car and make sure there are no noises or vibrations near the installed item.

You may use **Hard Shell** aluminum sheets on other parts of the car for the protection of essential elements of the car against high temperature exposure.

#HURDSHELL#HURDSHELL#HURDSHELL#HURDSHELL#HURDSHELL

THANK YOU!

