

Sky (4.0mm) Armor (Double)

Newest development in our premium line of vibration dampers – Sky line. There are three key factors making this material a completely unique in the market:

1. Double layer of butyl rubber polymer, create very high damping efficiency.

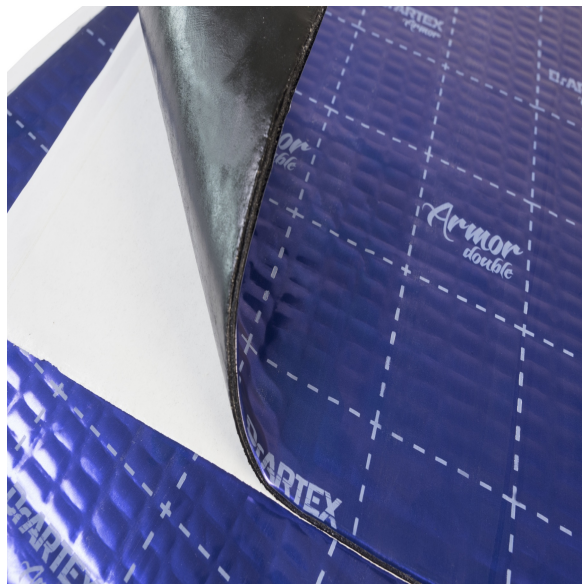
2. Double layer of tempered aluminium foil has undergone multiple heat treatments, making it firmer, further increasing its mechanical loss coefficient as well as increasing its durability..

2 We use modified butyl rubber polymer to increase stiffness and suppress low frequency resonances.

Only Armor 3.5 can stop low frequency resonances (20-40Hz) at back seat and trunk floor area. Very useful for sound competition car (doors) also.

We believe you will be pleasantly surprised by the unparalleled effectiveness. This is a radically new product to the market. Based on our research and testing we have found out that a traditional increase in the thickness of the composite layer is less effective than sticking two layers together. What we have done with this material is exactly that – a sandwich consisting of a self – adhesive glue layer composite with aluminium foil followed by another layer of composite and aluminium.

This product is using our advanced super light butyl polymer that is 38% lighter than traditional materials and a tempered aluminium foil that produces higher damping coefficient making this an ultimate product.



MATERIAL DATA SHEET

Name of index	Value	Testing method
Material Thickness (mm)	4+-5%	GOST 17073-71
Foil (Outer) Thickness (µm)	120+-10%	GOST 17073-71
Foil (Inner) Thickness (µm)	60+-10%	
Foil (Inner) Thickness (µm)	60+-10%	GOST 17073-71
Mass per m ² (kg)	5.1+-10%	GOST 17073-71
Mechanical Loss Factor on metal plate with thickness 1mm at temperature less than +20°C ()	>0.6	ISO 3795-76
Fire risk, burning rate (mm/min)	Non-flammable, <100	ISO 3795-76
Durability of connection between the material and the metal surface during flaking-off (N/cm)	>6	ISO 813:2010
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Operating Temp. Range (°C)	-40 to +90	
Max. Temp. Intermittent (°C)	+150	
Package Dimension (W*L*H) (cm)	29*55*7	
Package weight (kg,avg)	10.04 +-10%	
Package volume (m ³ ,avg)	0.0130 +-10%	

COMPOSITION

A five-layered material:

1. Self adhesive glue layer for installation, protected with antiadhesive paper
2. Our space age formula composite butyl polymer
3. Tempered aluminium foil
4. Our space age formula composite butyl polymer
5. Tempered aluminium foil

APPLICATION

This material should be installed on clean, dry surfaces, including on complex surfaces. (WARNING: Not to be installed on corroded metal surfaces!). First clean the surface from dirt, it is recommended to use water with neutral detergents, which do not contain organic solvents and alkali. After surface dries, degrease it with white spirit, gasoline or other solvents and allow dry completely.

Peel off the anti-adhesive paper and thoroughly press against the surface, avoiding the formation of air bubbles between the surface and the material. Roll the material with a roller, pressing it through so that there is no air trapped between the material and the surface (use the "from the center to the edge" technique).

It is best to apply the material in working environments with temperatures between +18 and +35°C.

Recommended area of installation: Double (Armor) - Boot lid, wheel arches, firewall and floor.

STORAGE

Material should be stored inside at temperature not higher than +40°C in horizontal position on a flat surface at a distance not less than 1 m from any heating systems; avoid any wet conditions and contacts with oils and direct sun.

Do not stack the materials more than 1.2m in height.

PACKING TYPE / AREA

15sh 50x27.5 / 2.06 m²

IATF 16949:2016
ISO 14001:2015

