



## Description

**ISILVER** is used as a vibration-damping coating in vehicles, agricultural machinery and other objects, which must meet requirements of effective sound and vibration reduction. The material is designed to be used at temperatures from -45 to 100°C; the material can survive short-time action of temperature up to 190°C. The material is a construct, consisting of foil with embossment and printed logo, and an adhesive polymer layer on butyl rubber base protected with anti-adhesive paper. To improve anti-corrosion properties, the material contains corrosion inhibitive composition.

The mission of the Isilver is to solve problems of vibration and noise of different applications;

vibro-damping

sound insulation

sound absorption

thermal protection

The Isilver products are applied in different fields such as acoustic tuning of a car, architectural acoustic, industrial sound insulation, and primary market of vehicles production.

Coefficient nomination	Specification	Testing method
Thickness, mm	1.8 ± 0.2	TD 5772-006-48214265-2001
Weight of 1m <sup>2</sup> , kg, max	2.72 – 3.4	GOST 17073-71
Mechanical loss factor at temperature, not less	0.25	ISO 6721-3:1996
Flammability, rate of combustion, mm/min, not more than	Non-flammable 100	GOST 25076-81

Material-to-metal surface bond strength when peeling off, N/cm, min	5	TD 5772-006-48214265-2001
Anti-adhesive paper-to-adhesive polymer layer bond strength, N/cm	0.5	GOST 17317-88
Material-to-metal surface bond strength when peeling off after impact of temperature cycling from -45°C to +70°C, N/cm, min	4	TD 5772-006-48214265-2001

## Transportation and storage

### Transportation

The material must be handled under the conditions eliminating moisture penetration. It is prohibited to drop or bend packages.

The packages must be transported horizontally on a plane surface in any roofed types of transport in compliance with haulage rules for this type of transport under the conditions eliminating mechanical damages, material deformation, and moisture penetration.

It is prohibited to put any heavy metal and alike objects on packages.

### Storage

The materials must be stored at temperature not higher than 40°C, horizontally, on a plane surface, not closer than 1m from heating appliances, under the conditions eliminating moisture and oil penetration and exposure to sunlight, in piles not higher than 1 m.

## Exploitation and installation requirements

### Exploitation

The material must be installed on dry clean painted metal surfaces, including complex surfaces. To clean the surface of dirt, it is recommended to use water with neutral abstergents, not containing organic solvents or alkali.

Upon dismantling, the material can't be reused.

### Preparation for installation

In case the material is stored at temperature lower than 0°C, before use it must be kept at temperature (20±5)°C for minimum 24 h.

The working space temperature must be (18-30) °C.

The mounting surface must be cleaned of dust and dirt, unoled with technical solvents and kept until completely dry.

### Installation

Antiadhesive paper must be peeled off systematic, smoothly; the detail must be pressed to the surface, avoiding air blisters formation.

The material mustn't be installed on dirty, corroded metal surfaces.

Packaging: Pack of 12 sheets: 75cm x 53cm