



## STP Biplast

STP BIPLAST is used as sound-insulating, vibration-damping, heat-insulating, damping, and anti-squeak material in various vehicles.

To protect the mounting layer, anti-adhesive paper or film is used. The surface, opposite to the mounting layer, is taken as a facing surface.

The material remains elastic at the temperature range from  $-40^{\circ}\text{C}$  to  $100^{\circ}\text{C}$ , resistant to temperature up to  $150^{\circ}\text{C}$ .

The material is elastic polyurethane foam, mainly, open-cell, with extended recovery time upon the compression cycle cessation.

Coefficient nomination	Specification	Testing method
Thickness, mm	5/10/15/20/25mm	TD 2254-007-73212626-2011
Material-to-mounting surface bond strength at peeling off with the angle of $90^{\circ}$ , N/cm, min	2	TD 2254-007-73212626-2011
Inflammability, burning rate, mm/min, max	100	GOST 25076
Tensile stress at break, kPa, min	70	GOST 15873
Material-to-anti-adhesive film or paper bond strength, N/cm, up to	0,01 - 0,20	GOST 17317
Longitudinal vibration loss factor, s. u., not less	0,6	GOST 16297

### Transportation

The material sheets and the details are transported in accordance with haulage rules in any roofed type of transport under conditions eliminating their mechanical damages, deformation, soiling, and moisture penetration, in piles not higher than 3m.

### Storage

The material sheets and the details are stored in packages in roofed warehouses on a plane horizontal surface, in piles not higher than 1,5m. It is acceptable to store the material and the details in unheated warehouses at temperature up to - 30°C. Before use, the material sheets and the details must be kept at temperature not lower than 15°C for minimum 48 h. The material and the details must be stored not closer than 1m to heating appliances. The material must be preserved against sunlight exposure and moisture penetration.

### **Exploitation requirements**

The materials Biplast must be installed at temperature from 15 to 25°C, and air humidity of (60-70%). In case the material is installed on a complex surface, the installation conditions are to be agreed with the supplier; if necessary, the detail can be incised.

### **Preparation for installation**

In case the material or the details are stored or transported at temperature lower than 10°C, they must be kept at temperature (15-25) °C during minimum 24 h.



### **Installation**

The material is to be installed on clean dry surfaces. If necessary, oiled surfaces are to be unoiled with mineral spirit, benzine or other solvents, and dried up before installation. Before installation, the anti-adhesive coating must be taken off the material with the help of a piece of adhesive tape, stuck to the short side of the detail. One side of the material is to be put on the mounting surface and pressed to it step-by-step, avoiding air blisters formation. To adhere the material properly, the material must be additionally pressed with hands or with a roller, especially on the edges. It is prohibited to strain the details while installing.

### **Exploitation requirements**



It is recommended to use the material and the details under conditions eliminating constant contact with water and organic solvents.

True extract  
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