



# Application of aluminum for the manufacture of noise shields



**ЗАВОД  
АКУСТИЧЕСКИХ  
КОНСТРУКЦИЙ**

 *Мы производим тишину...*  
*We produce silence...*



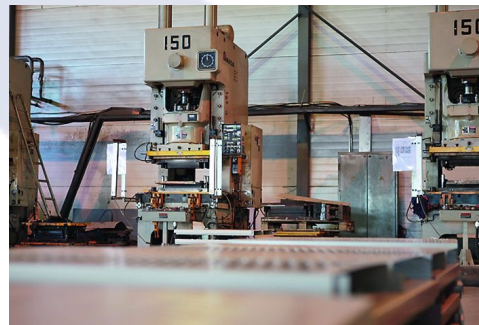
The main element of the noise shield is the panels. For their manufacture, rolled steel or aluminum with a polymer coating is used. The characteristics of the materials are extremely important, allowing to guarantee long-term operation of the screen without loss of acoustic characteristics and maintaining the original look.



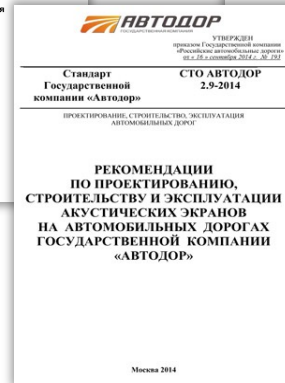
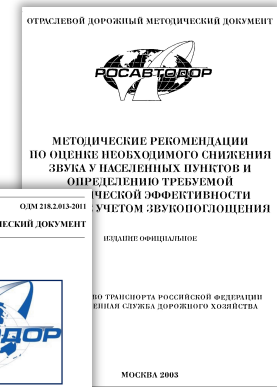
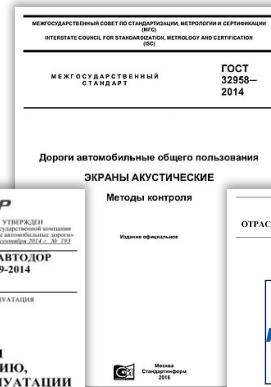
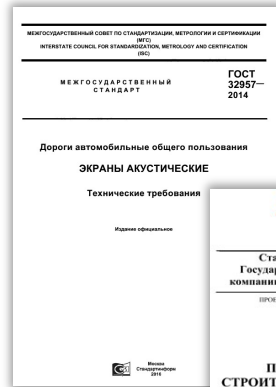
Noise shield panels are manufactured on modern equipment, which allows to ensure high accuracy of finished products.

This approach ensure the ease of assembly, but also the quality of noise protection.

In the production of panels, innovative developments are used that make them almost unique product of very high quality, meeting all European requirements ISO 9001 : 2008



Efficient use of resources and regular quality control allow to achieve competitive prices with consistently high quality of finished products

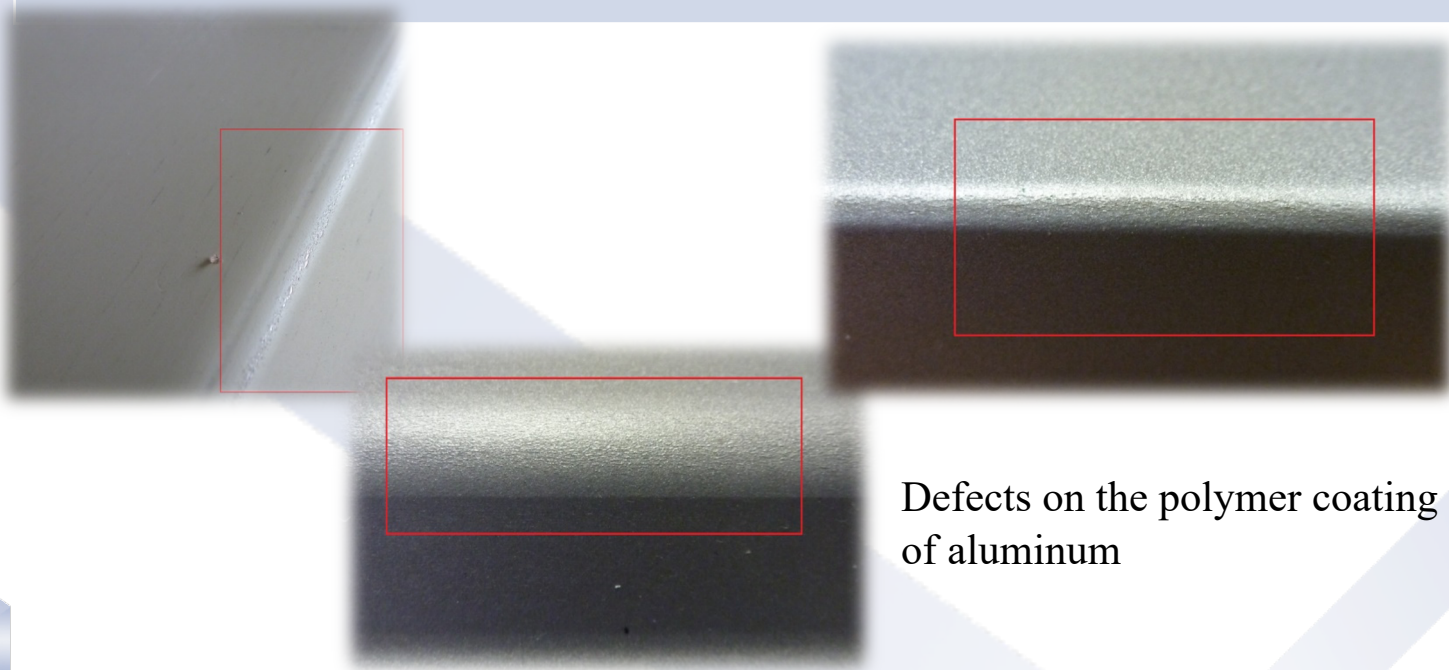


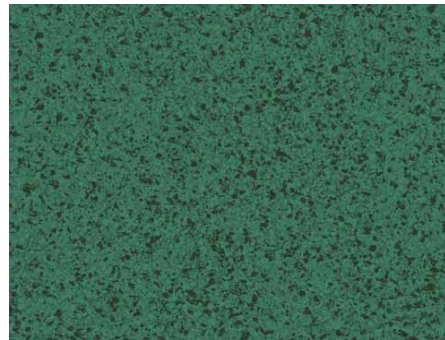
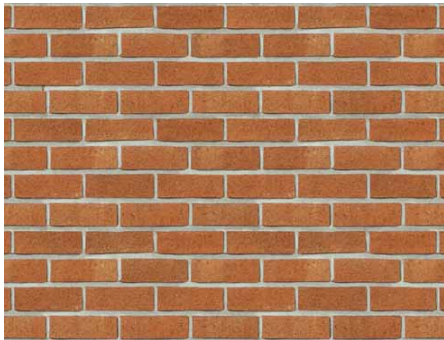
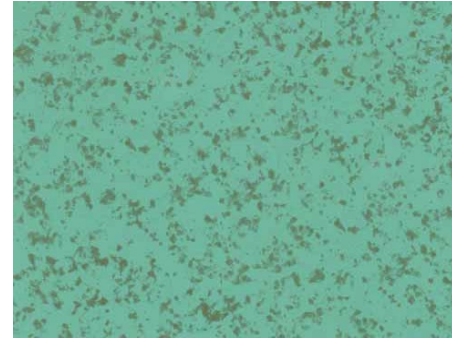
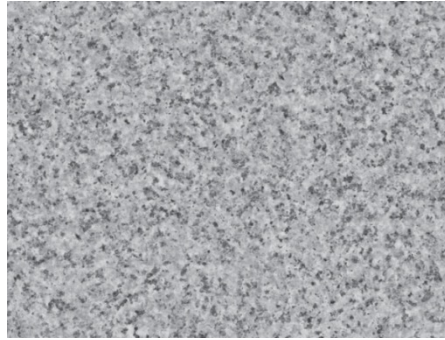
- National Standard 32957-2014 Public roads. Acoustic screens. Technical requirements.
- National Standard 32958-2014 Public roads. Acoustic screens. Control methods.
- AVTODOR STANDARD (STO) 2.09.2014 Recommendations for the design, construction and operation of acoustic screens on the roads. "AVTODOR" State Company.
- Methodology Document 218.2.013-2011 Methodical recommendations on protection from transport noise of the territories adjacent to highways.
- Methodical recommendations on estimation of necessary reduction of sound near settlements and determination of the required acoustic efficiency of screens taking into account sound absorption, the Ministry of Transport of Russia N OC-362-p (April 21, 2003г.)

Durability of polymer coating (not less than 15 years)

Plasticity of polymer coating

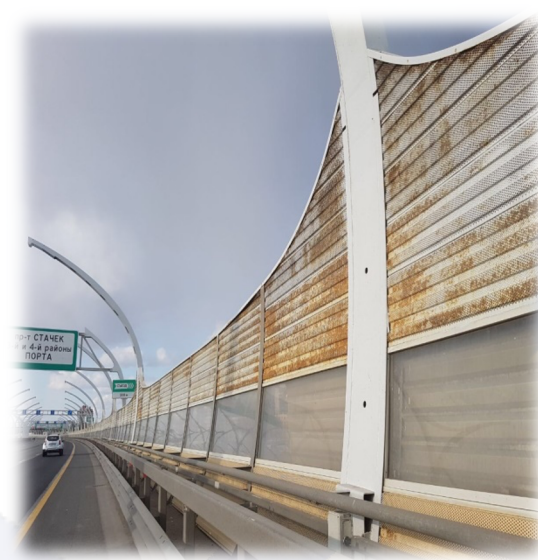
Requirements for strength, frost resistance, water absorption and durability of materials and structural elements used in acoustic screens must comply with regulatory documents





 Variety of textures

- corrosion spots on panels and racks due to improper maintenance of the acoustic screen, as well as the use of low-quality materials;
- violation of the integrity of the acoustic screen due to a traffic accident, vandalism or the use of low-quality materials that do not comply with applicable regulatory documents;
- clouding of translucent panels under the influence of aggressive environment, ultraviolet rays and pollution, as well as low-quality raw materials;



***On bridge structures and overpasses***



***Screens to protect against noise emanating from engineering equipment***







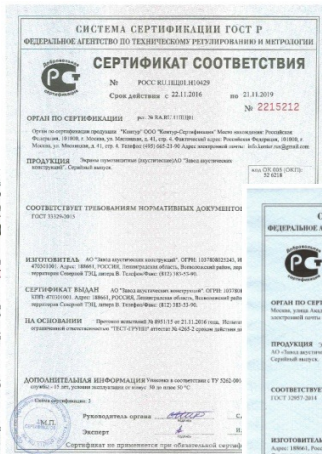


Since 2009, the company's activities are carried out in accordance with the principles of the international quality management system, which is confirmed by a valid certificate of compliance. National Standard R ISO 9001-2015.



NatSt ISO 9001:2015  
(ISO 9001:2015)

Certified by  
Russian Register



Screens are certified in GOST R systems of Gosstandart of the Russian Federation, are mass-produced according to TU-5262-001-13831917-2011 in accordance with STO 5284-001-13831917-2015 and STO 5284-002-13831917-2017, agreed with Avtoform Group.

We will be glad to cooperate!

JSC "Acoustic Structures Works"  
Roschina Natalya Vladimirovna