

Shaft lining with polyurethane



Polyurethane shaft are widely used in various industries.

Their popularity is due to high performance characteristics. Ukrainian manufacturer «Timol» offers a wide range of products at affordable prices.

In addition to solving narrow-profile problems, shaft lining with polyurethane provides several other

advantages:

- Reduced repair costs
- Reduced production costs
- Reduced equipment downtime
- Increase in productivity
- Reduction of mechanical wear of shafts
- Reduction of abrasive wear of the part itself
- Reducing noise



Grizzly Buckets

Our company offers an excellent constructive solution for equipping bucket elevators: high-quality, wear-resistant polyurethane grizzly buckets.

Advantages of polymer grizzly bucket :

- Explosion safety;
- grain and seeds are practically not damaged;
- adhesion of hard-running and wet products is excluded;
- energy savings;
- reduced mechanical load;
- polymer buckets have significant hardness, so, in the process of work do not change the geometric shape;
- polymer grizzly buckets are resistant to corrosion and quiet in operation.



Polyurethane wheels

Polyurethane wheels are one of the most ergonomic on the market as they provide less drag than other wheels. They are durable and also extend the service life of an equipment in general.



The advantages of polyurethane industrial wheels are innumerable. The main are:

- high permissible load;
- abrasion resistance;
- excellent grip on the wheel rim;
- wide operating temperature range;
- resistance to aggressive environment;
- resistance to tears, cuts, adhesion of foreign substances, dirt, etc.;
- the ability to use on any surface;
- resistance to deformation, corrosion and mildew;
- ecological cleanliness;
- durability.

Polyurethane sheets and slabs

Polyurethane sheets are used in various industries. Characteristics such as high abrasive wear resistance, strength and elasticity make them indispensable for industry.



Application examples for polyurethane sheets:

- As a protection against abrasion, adhesion and freezing of the material (lining of bunkers, cyclones, gutters, containers for various purposes)
- Floor covering for sound insulation and vibration reduction
- In the production of sealing technology, vibration-resistant parts
- Dielectric rugs
- Elastic gaskets and overlays
- Wear-resistant soles for the shoe industry
- Dampers, shock absorbers, vibration dampers, compensators
- Stamp plates
- Elastic conveyor belt scrapers

Polyurethane spraying



Spraying polyurethane is the most progressive method of protecting various surfaces from abrasive wear and corrosion for now. Using this method, you can obtain a tough, wear-resistant and leak-tight elastomeric coating. It has a lot of **advantages**, which include:

- increased level of strength;
- resistance to abrasion and cracking;
- excellent hermetic characteristics;
- resistance to gasoline, acids, alkalis, ozone, etc.;
- ability to work at low and high temperatures;
- anti-corrosion and mildew resistance;
- environmental cleanliness and safety;
- affordable price of spraying and savings on the purchase of new equipment;
- durability.



Gravity Equipment

Gravity pipes, sectors, flanges are used in the grain and processing industries to move food and non-food bulk substances: grain, flour, starch, sand, pigments, etc.



Gravity equipment, grain pipes for moving bulk products **includes** :

- polyurethane inserts for a pipe of square and round section;
- sectors used to create the required angle of rotation of the gravity equipment;



Advantages of polyurethane inserts in the gravity flow:

- high level of resistance to abrasion;
- prevention of damage to grain during transportation;
- absence of dust formation in production premises when the grain passes through polyurethane gravity pipes;
- reduction of the noise level when using polyurethane inserts in a gravity pipes;
- high antistatic and fireproof properties;
- operating temperature range: from -20 ° to + 80°;

Polyurethane screens



Polyurethane screens are:

- Precise sorting due to the high accuracy of the sieve cells.
- Extraction of the limiting fraction due to elastic bridges between the perforations and the conical shape of the sieve cells.
- High wear resistance and long service life as a result of special properties of polyurethane.
- Noise suppression due to the sound-absorbing properties of polyurethane.
- Increase the speed of the material in connection with the flat upper surface.
- Lower specific and operating costs due to a long period of operation (10-20 times longer than metal ones) and quick replacement of segments.
- High maintainability (in case of damage to the screen, the segment is replaced, and not all screens at once).



Polyurethane scrappers

Polyurethane tape scrapers are successfully and confidently replacing similar products made of metal or plastic, and are in increasing demand in many companies. This demand is due to a number of **advantages**:

- Due to the wear resistance polyurethane ten times increases the period of replacement of cleaning elements, providing at the same time favorable economy;
- the elasticity and resilience of the material provides the products with increased impact resistance;
- stability of work in a wide range of temperature conditions. The polyurethane scraper does not deform when heated to high temperatures, does not crack or break in severe frost;
- the adhesion coefficient of polyurethane is much lower than plastic's, rubber's or metal's, which prevents sticking to the blade and makes it easy to clean;
- polyurethane does not corrode.
- The scraper for cleaning the belt has sufficient hardness in order to clean it from different substances and production waste and at the same time not damage the conveyor.

