Unitex Technotex

ANTI-SLIP MATS FOR SECURE LOAD SECURING

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Safe on the road with anti-slip mats!

A large portion of traffic accidents in freight transport is caused by insufficient or incorrect load securing. According to legal regulations, cargo must remain safely on the vehicle even under extreme conditions such as emergency braking, sudden evasive maneuvers, or poor road surfaces.

As a guideline, loads should be secured with 80 % of their weight to the front and 50 % to the rear and sides.

At Technotex, we follow EN 12195-1, which describes calculation methods for lashing devices and friction forces. High friction between the cargo and the loading surface significantly reduces the risk of shifting. Anti-slip mats increase friction and provide the following benefits:

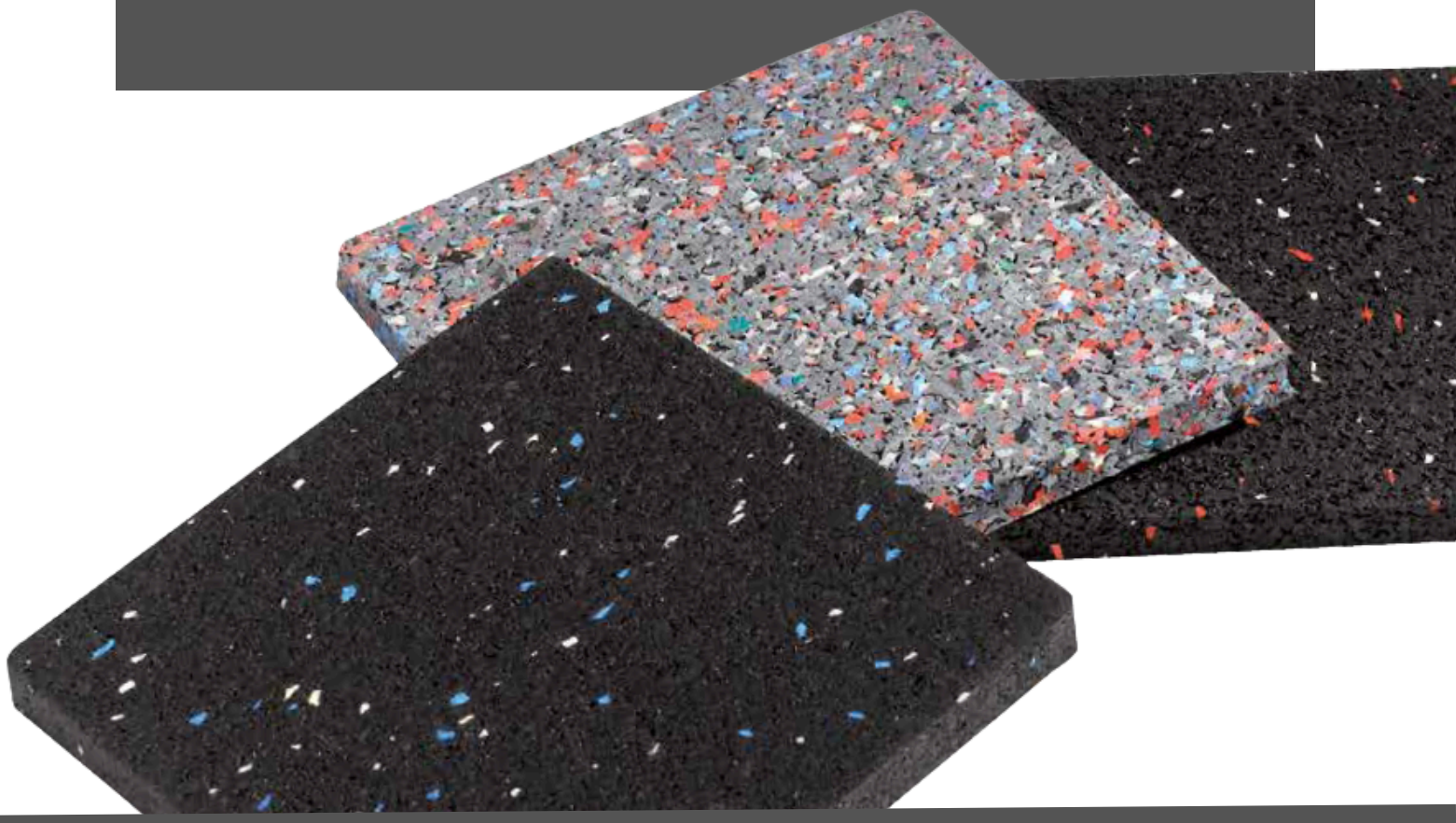
- Lower securing force required
- Reduced pretension when lashing
- Often fewer lashing devices needed

This results in a more efficient, safer, and more economical load securing process. Technotex supplies and advises on suitable equipment, such as lashing straps and anti-slip mats, which can be used for almost any type of cargo.

Anti-slip mats for every use!

The anti-slip mat provides reliable support for various load securing requirements. With a high coefficient of friction of up to μ = 0.92, it significantly reduces the risk of slipping and enhances safety.

Thanks to different material thicknesses, it can be optimally adapted to the specific application, achieving surface loads of approximately 125 to 500 t/m². This allows for targeted, demand-oriented load securing.



The right material for every load securing

Standard (ARS-ST)

Technical Specifications
Standard product for a wide range of loads
Material: Recycled rubber granules bound with PU
Thicknesses: • Sheets: 4, 5, 6, 8, 10, 12 mm ± 0.5 mm • Rolls: 3, 4, 5, 6, 8, 10, 12 mm ± 0.5 mm
Maximum permissible surface load (at max. 30% compression according to VDI 2700 Sheet 15) • approx. 100 t/m² at 3 mm thickness • approx. 120 t/m² at 8 mm thickness
Coefficient of friction μ min. 0.70* at 3, 4, 5, 6, 8, 10, 12 mm thickness
Elongation at break: minimum 60% (DIN EN ISO 1798)
Tensile strength: min. 0.6 N/mm² (DIN EN ISO 1798)

Friction surface: wooden pallet, dry plywood floor (according to VDI 2700 Sheet 14)

The right material for every load securing

Standard Plus (ARS-STP)

Technical Specifications
Standard product for medium-weight loads
Material: Recycled rubber granules bound with PU
Thicknesses – sheets and rolls: 3, 4, 5, 6, 8, 10 mm ± 0.5 mm
Maximum permissible surface load (at max. 30% compression in accordance with VDI 2700 Blatt 15) • approx. 180 t/m² at 3 mm thickness • approx. 290 t/m² at 8 mm thickness
Coefficient of friction μ min. 0.81* at 3, 4, 5, 6, 8, 10 mm thickness
Elongation at break: minimum 60% (DIN EN ISO 1798)
Tensile strength: min. 0.6 N/mm² (DIN EN ISO 1798)

Friction surface: wooden pallet, dry plywood floor (according to VDI 2700 Sheet 14)

The right material for every load securing

Premium (ARS-PR)

Technical Specifications
Standard product for high friction Color: multi-colored recycled rubber granulate
Material: high-performance PU-bound recycled rubber granules
Thicknesses: • Sheets: 6, 8, 10 mm ± 0.6 mm • Rolls: 3, 5, 6, 8, 10 mm ± 0.6 mm
Maximum permissible surface load (at max. 30% compression according to VDI 2700 Sheet 15) • approx. 270 t/m² at 3, 5, 6, 8, 10 mm thickness
Coefficient of friction μ min. 0.92* at 3, 5, 6, 8, 10 mm thickness
Elongation at break: minimum 120% (DIN EN ISO 1798)
Tensile strength: min. 0.8 N/mm² (DIN EN ISO 1798)

Friction surface: wooden pallet, dry plywood floor (according to VDI 2700 Sheet 14)

The right material for every load securing

Premium Plus (ARS-PRP)

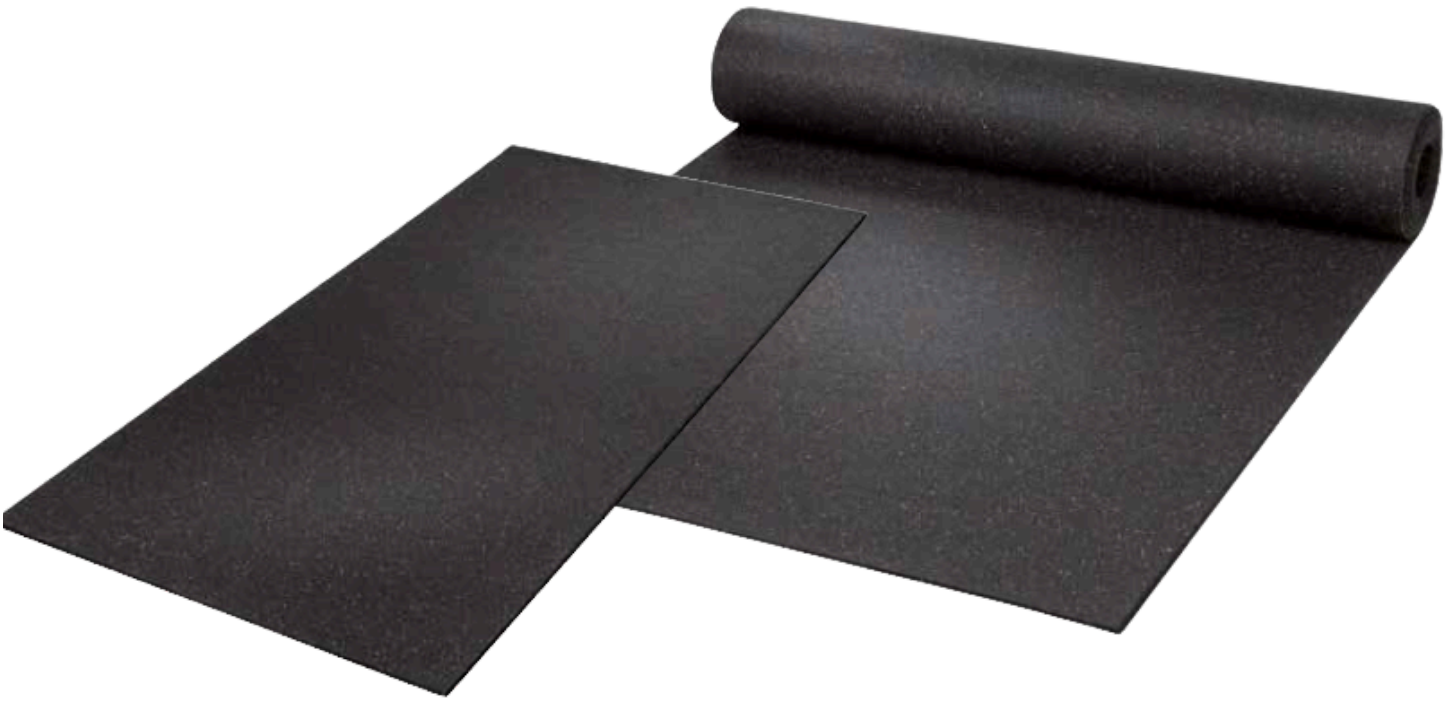
Technical Specifications
Standard product for heavy-duty loads (heavy transports); protected and registered color marking (black with blue and white particles)
Material: PU-bound recycled rubber granules
Thicknesses – sheets and rolls: 8, 10 mm ± 0.5 mm
Maximum permissible surface load (at max. 30% compression according to VDI 2700 Sheet 15) • approx. 500 t/m² at 8, 10 mm thickness
Coefficient of friction μ min. 0.80* at 8–10 mm thickness
Elongation at break: minimum 80% (DIN EN ISO 1798)
Tensile strength: min. 1.0 N/mm² (DIN EN ISO 1798)

Friction surface: wooden pallet, dry plywood floor (according to VDI 2700 Sheet 14)

Your Advantages at a Glance

QUALITY – WITH SAFETY

- High wear resistance and long service life, reusable until end of service
- Sustainable and permanently usable solution for load securing
- Tested quality and reliable safety in operation
- High coefficient of friction for effective reduction of slippage
- Made from recycled materials, environmentally friendly
- Easy and quick to use for efficient workflow
- Cost-effective in use by reducing the required lashing effort



Custom-Made Anti-Slip Mats!

Choose the material and size of your anti-slip mats according to your needs.

We can provide your custom cuts individually and promptly!

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CONTACT INFORMATION

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