



Overview: options for sticky and abrasive materials on tippers

Tipping of sticky products may pose a safety risk if the load sticks in the body. The risk is highest when the sticky load is at the front of the body, creating a tipping hazard. In addition to sticky products, the unloading of abrasive materials can also be a problem because the aluminium sidewalls and the floor of the body wear out more quickly. This can result in costs. In the overview below you will find a number of possible solutions to avoid all these risks.

Wear plates and lining

Aluminium wear plates

Additional aluminium plate welded on top of the side walls. This layer can easily be renewed in case of wear and tear.



Advantages

- ✓ available in many shapes and sizes (see overview on showpad under "sales tools")
- ✓ available on all aluminium bodies, including moving floors
- ✓ retention of second-hand value as the inside of the body will be preserved
- ✓ no consequences for the flexibility of the trailer

Application

rough, abrasive material

- ✓ glass
- ✓ stone rubble
- ✓ sand
- ✓ scrap

Weight:
± 2,7 kg/m²

available on all STAS models with aluminium body, both tippers and moving floors

Stainless steel lining

Additional stainless steel sheet metal mounted on top of the floor and side walls. Impact resistant and lower friction than aluminium.



Advantages

- ✓ low friction, so less risk of cargo sticking
- ✓ good impact resistance
- ✓ much higher wear resistance than aluminium
- ✓ choice between covering only the floor and covering both the floor and sidewalls
- ✓ can also be used for materials for human consumption

Application

sticky products and heavy abrasives

- ✓ sand
- ✓ stone rubble
- ✓ clay
- ✓ consumption-goods

Weight
± 7,2 kg/m²

available for:

agroSTAR_{ALU}

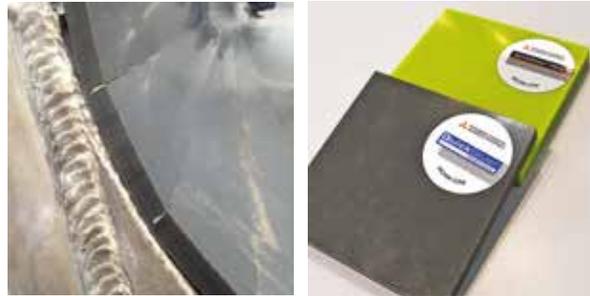
buildSTAR_{ALU}

buildSTAR X_{ALU}

Liners, coatings and other solutions

Quicksilver (HD) liner

Hard plastic liner intended for stubborn sticky products. These liners were formerly called "quadrant liners" and are now also available in a Heavy Duty version. Also available in thicknesses of 10 mm and 12 mm.



available for:

agroSTAR
ALU

buildSTAR
ALU

buildSTAR X
ALU

Advantages

- ✓ Extend service life and increase second-hand value
- ✓ Wear-resistant, impact-resistant, and at the same time very light polyethylene
- ✓ Easy to replace and recyclable
- ✓ Very low friction between liner and load
- ✓ considerably reduces the necessary tipping angle, so faster and safer unloading
- ✓ Ideal for unloading on unstable ground and in strong winds
- ✓ Also available in extremely impact-resistant (green) HD version

Application

very sticky products

- ✓ (wet) sand
- ✓ clay
- ✓ pulp
- ✓ loam
- ✓ ...

Weight
9,35kg/m²
(for 10mm thickness)

Ceramic coating

Ceramic spray layer on the inside of the body for stubborn sticky products.



available for:

agroSTAR
ALU

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ALU

buildSTAR X
ALU

Advantages

- ✓ Low friction, so less risk of sticking
- ✓ very light
- ✓ good impact resistance
- ✓ significantly reduces the necessary tipping angle, so faster and safer unloading
- ✓ ideal for unloading on unstable ground

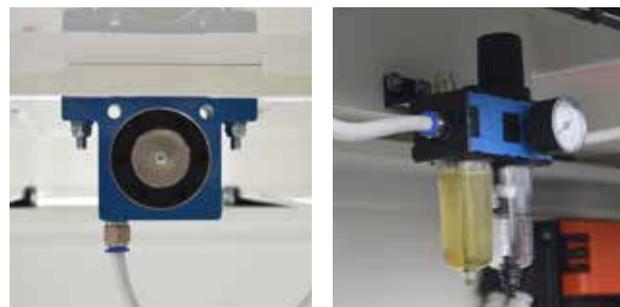
Application

wet, sticky products

- ✓ (wet) sand
- ✓ wet earth
- ✓ wet loam

Pneumatic vibrator

Additional vibration option under the floor to loosen residue. The vibrator works pneumatically and has its own pressure regulator with which the frequency of the vibration can be set.



available for:

agroSTAR
ALU

buildSTAR
ALU

buildSTAR X
ALU

ferroSTAR
STEEL

Advantages

- ✓ no effect on the tipper's flexibility
- ✓ adjustable vibration frequency thanks to pressure regulator
- ✓ very durable thanks to in-air lubricator
- ✓ maintenance-friendly and durable thanks to automatic condensation drain
- ✓ including pressure gauge

Application

specifically for unloading all kinds of sticky products, without affecting the flexibility of the vehicle