

## VARIO mat3

### Material:

break-proof Polyethylen

### Dimensions in mm:

2000 x 3000 x 45,5 (inkl. Profile)

### Weight per Panel:

approx. 221 kg

### Surface & Color:

5mm & 2,5mm profile  
black

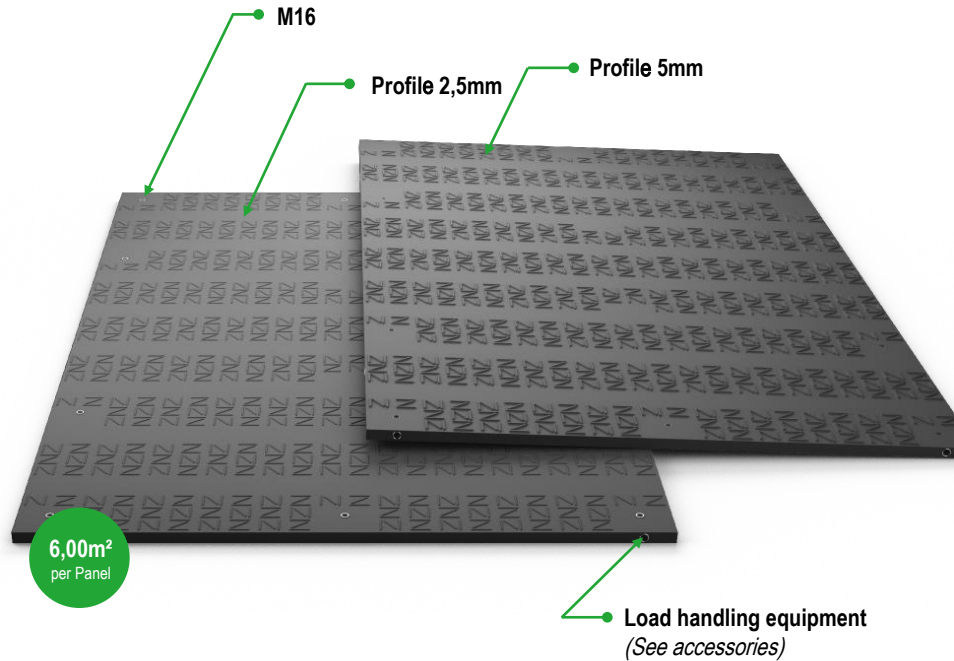
### Load capacity:

approx. 150 to.

(depending on substrate)

### Transport per Truck:

100 panels (600m<sup>2</sup>)



### Possible applications:



Crane  
Set-up area



Heavy  
Duty



Mobile  
Logistic



Wind energy



Temporary  
Sidewalks



Road Construction  
and  
Access Routes



Pylon Construction



Concerts  
and Events



Mobile  
Parking Lots



**Laying the panels** (dismantle panels in reverse order)

**Unloading from lorries:**

There are two ways of unloading the panels:

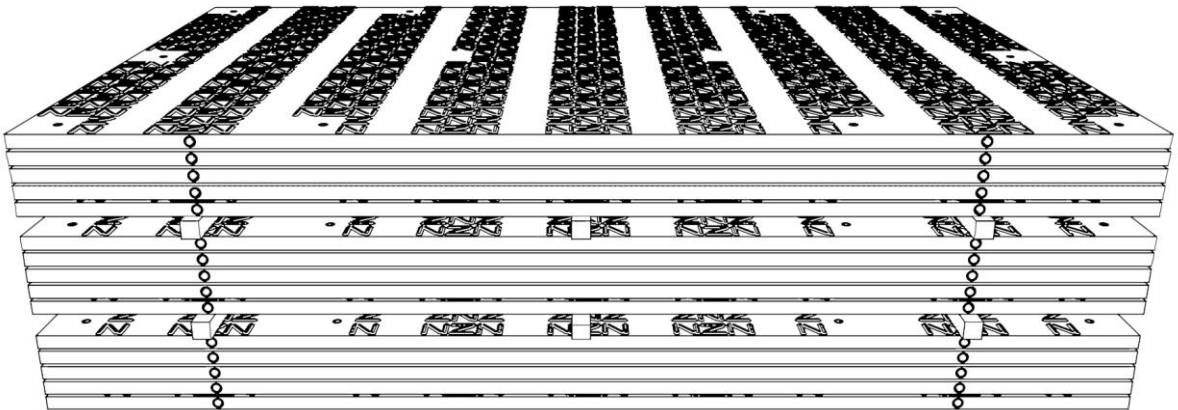
- The panels can be unloaded with a forklift. Care should be taken to ensure that the forks are long enough (at least 180 cm) and that the individual panels are secure to stop them falling.
- The panels can be unloaded and installed by a lorry crane, using a chain hanger.

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**Storage:**

The panels should be stacked no more than 5 per stack. It is advisable to stack no more than 4 stacks on top of each other.

Each five-panel stack should rest on 10 mm thick square timbers. It is advisable to place 3 square timber pieces under each stack to facilitate problem-free handling by forklift.

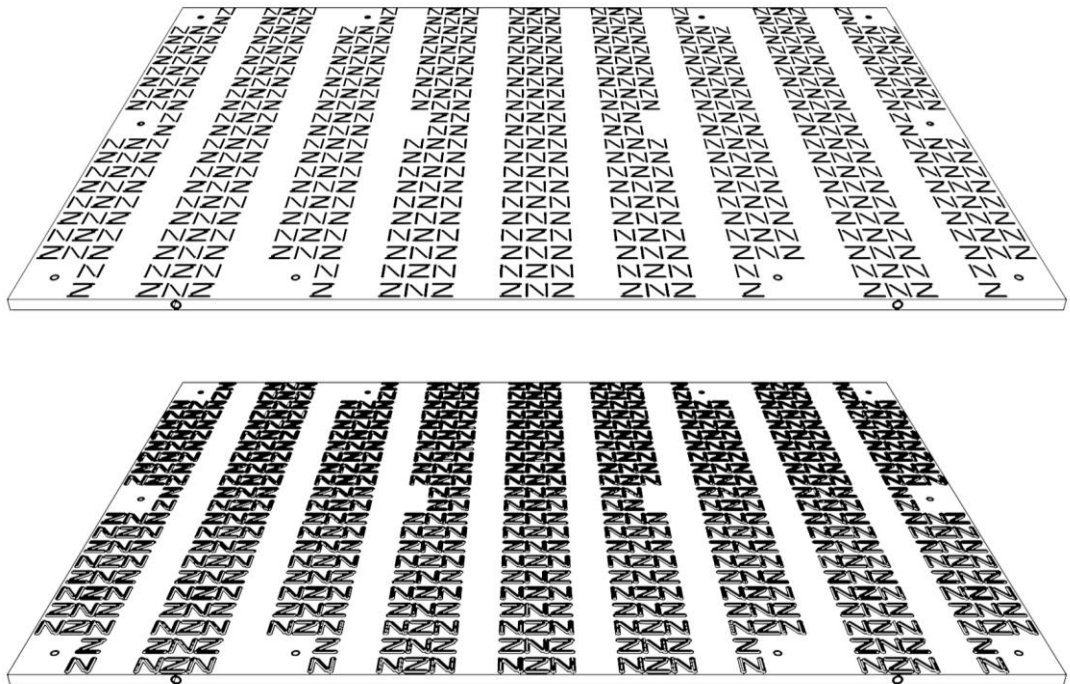


**The panel:**

Material: Polyethylene PE500  
Dimensions: 2000 mm x 3000 mm x 47 mm  
Weight: 225 kg

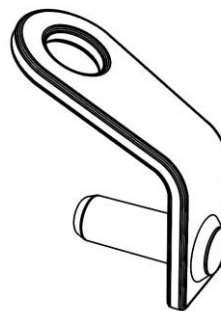
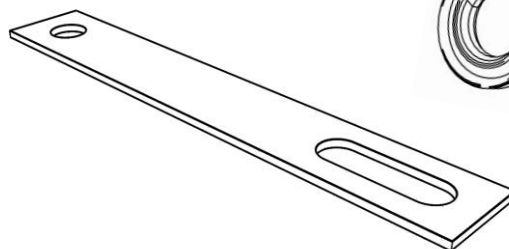
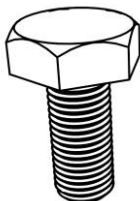
Connection lugs for connecting/bolting the panels together are located on the edge or corners of the panel.

Panels can be used from either side. The upper side with its light profile is ideal for use by pedestrians. The underside has a strong profile and has been optimised to be used by construction vehicles.

**Fittings:**

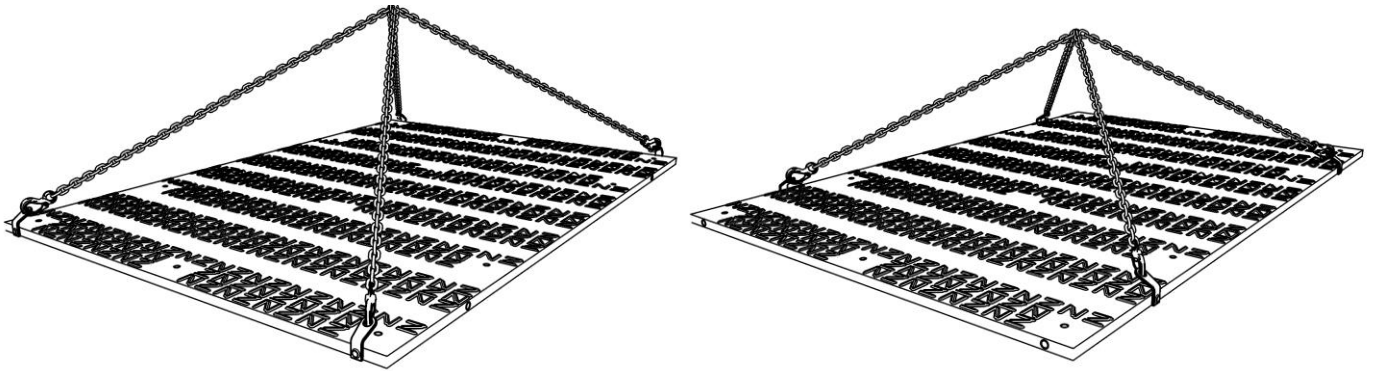
The following fittings are required for laying the panels:

- 4 x M16 screws  
(washers optional)
- 2 x metal connectors
- 4 x load-bearing hooks
- 1 x 4-strand chain sling



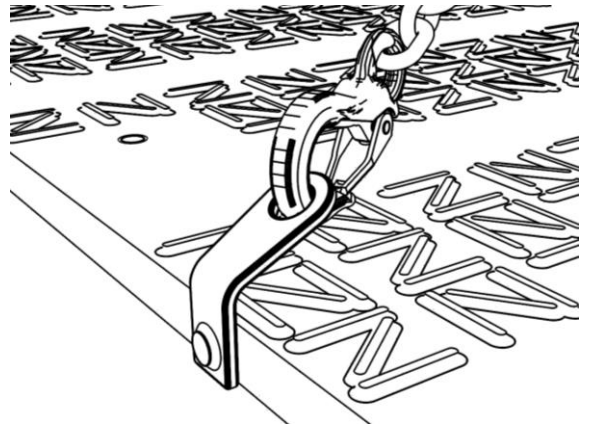
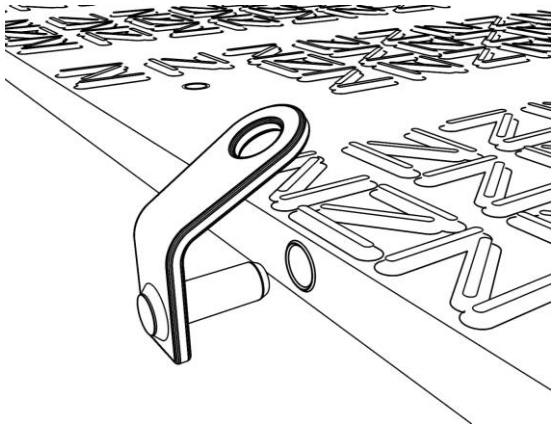
### Laying the panels

Simply secure the panels in the load-bearing lugs provided, using the 4-strand chain sling and the load-bearing hooks and then transport or lay the panels in the desired location with the lorry crane.



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Insert the load-bearing hooks in the lifting lugs on the side to be able to move the panel optimally using a chain sling and to bring it into the desired position.



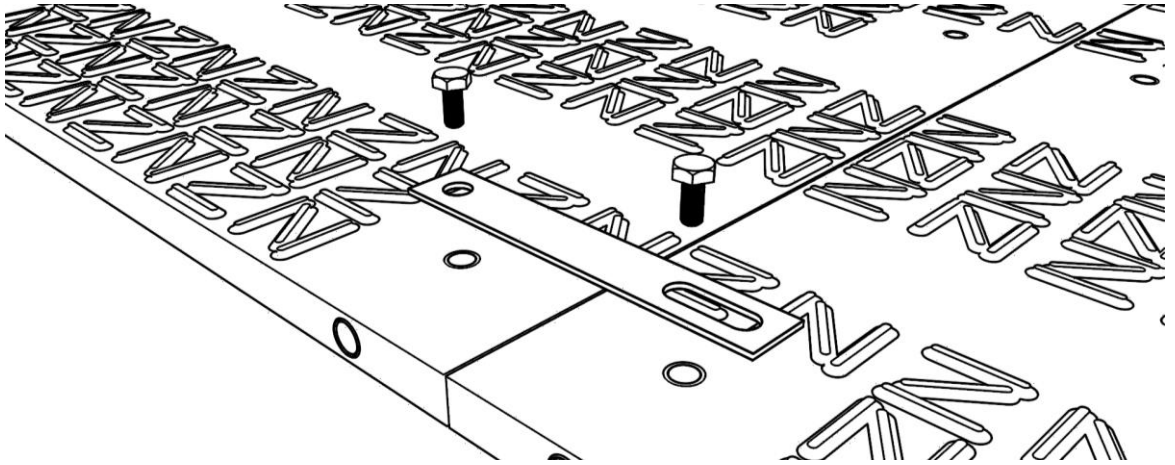
The panel is transported or laid in the desired position by tightening the chain sling so that it can then be bolted.

**Laying and bolting panels:**

Simply lay panels on top of the floor area to be protected. No pre-treatment of the ground is required.

Laying is best carried out using a forklift or lorry crane with a 4-strand chain sling.

Lay the panels edge to edge and connect them using the metal connector and two M16 screws in the embedded lugs.

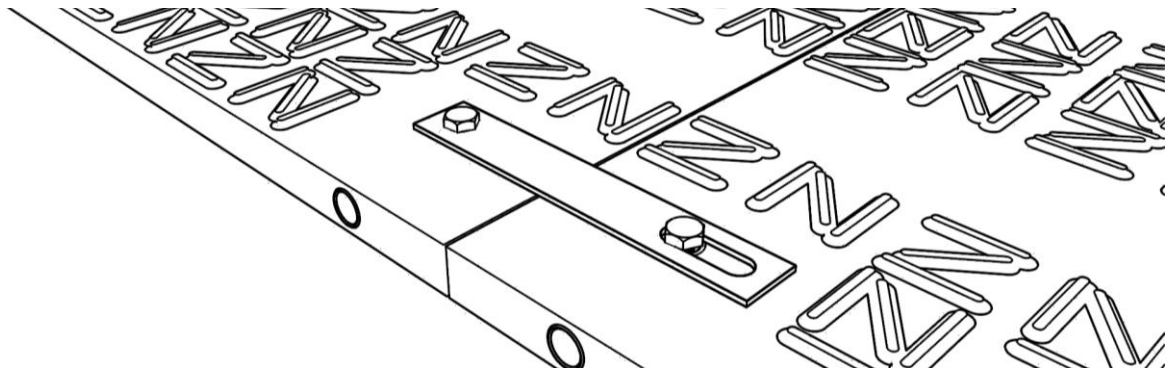


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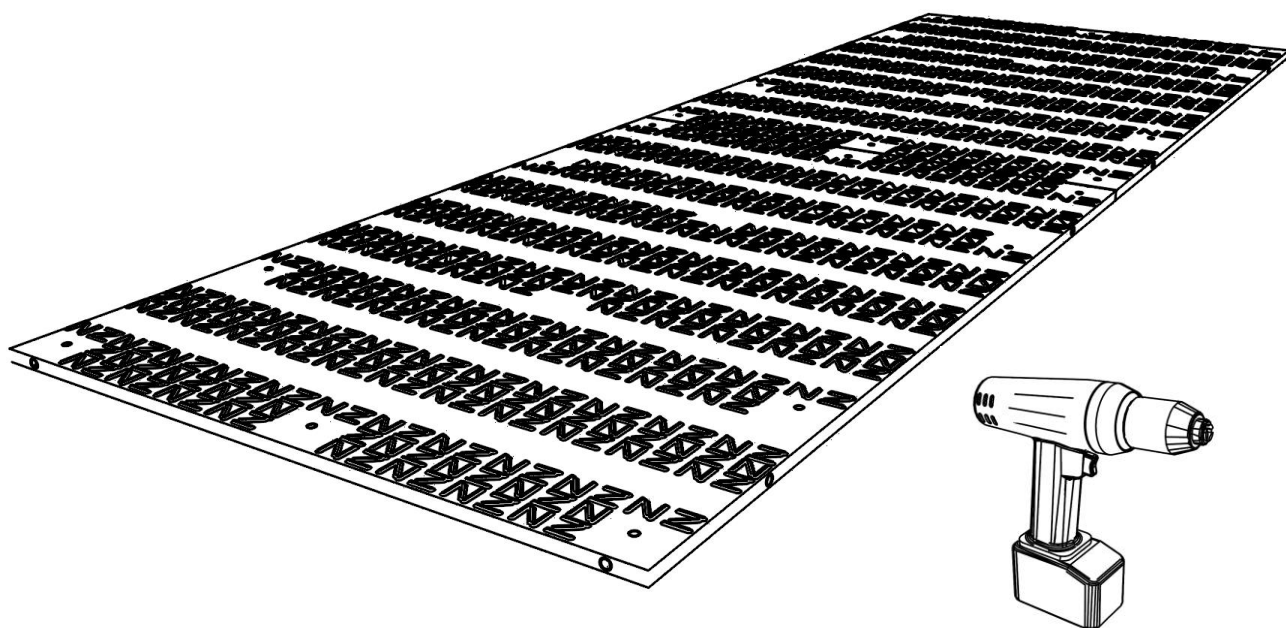
Care should be taken when laying the panels to ensure that they have the same profile side facing up.

Lay the panels edge to edge and then connect them securely with the appropriate metal connectors and M16 screws.

Depending on the pressure on the panels, it is advisable to make between two and four screw connections.



Lay the panels next to each other and bolt them to create a construction road or work platform with the desired traction capacity.



It is advisable to use a cordless screwdriver to connect the M16 screw. Alternatively, this can also be done with a hand ratchet. With both assembly options a screw attachment (24 spanner socket) should be used so that the panels can be bolted to the connection lugs provided.

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## General notes

### Surface treatment:

Panels should be cleaned on both sides after use. Panels can be stored in the open air. However, panels should not be exposed to severe temperatures below freezing. No special chemical cleaners or tools are required to clean the panels. A high-pressure cleaner is ideal for cleaning the panels.

### Use as a temporary access road

The panels are very well suited for use as a temporary access road in open country. Depending on the underlying surface, panels can withstand a load of up to 160 to/m<sup>2</sup>. The panels can be used by track vehicles. However, track vehicles should use chain guards whenever possible. Avoid rotating track vehicles in place, because depending on the pivot point and speed, panels may be torn apart at the screw connections.

### Assembly

If the panels installed globally are relocated, the panels must be dismantled again.