Case Study: Trailer floor

Project of:
Multiplásticos Internacionales KOM (MX)
www.multiplastico.com
Experience in the sector: 15 years
Experience with Paneltim: 5 years

MiK

Project:
Trailer floor

Location:
Naucalpan de Juarez - Mexico

Production time:
1 day

Dimension:
7.50 meters long (29.5")

Challenge:
Fabricating a trailer floor that is lightweight, strong, durable and easy to install.

Product:
Paneltim® Antislip - 5 bars

Material:
PP Copo

Thickness:
50 mm (2.0")

Size:
1,200 mm x 1,000 mm (47.2" x 39.4")

In order to produce a trailer floor in one piece, between 2.0 and 2.5 metres (78.7" and 98.4") wide, Multiplásticos Internacionales KOM (MIK) works with Paneltim® Antislip panels with a 5 bars structure. For closed vehicles, MIK in general uses recycled black or grey panels, and for open vehicles, beige or white panels in prime UV material.

Reduced weight

As Paneltim® antislip panels have an internal structure of 50 mm x 50 mm (2" x 2"), they weigh less than solid sheets. The reduced weight increases the efficiency of the carrier.

Less labour intensive

Previously, MIK used to build trailer floors with click-system PP solid sheets. This was very labour intensive as many narrow strips needed to be clicked together. "Nowadays, we use Paneltim® 1,200 mm x 1,000 mm (47.2" x 39.4") antislip panels, which are quickly welded together with a butt welding machine.", says Luis Marquez, Chief Operating Officer at MIK.

Step-by-step

MIK first welds the panels together across the width, before welding the complete floor along its length. This is easily and quickly done with a butt welding machine. Once this is ready, the complete floor is installed on the trailer, in one piece. "The end result is a smooth, stable surface with an attractive pattern."

Do's and dont's

MIK always uses UV-stabilized panels for open vehicles.
Prevent point load from a fork lift. "The trailers are loaded quick and easy from the side. "


Inspection after buttwelding


Ready for installation