

Materials Services
Infrastructure

Plastic site road

The easy solution for heavy loads.



thyssenkrupp



Our plastic site road: Getting you quickly and easily to the construction site.

Our plastic site road features a combination of low weight and high load-bearing capacity. It is easy to lay, ensures optimal weight distribution, and can be installed on practically any surface.

The plastic site road is a genuine lightweight. A single truck can transport up to 75 panels, which keeps transport costs to a minimum. The processing of the plastic panels is also inexpensive, making the plastic site road a particularly cost-effective solution for a wide range of applications. It is not only suitable for construction sites, widening existing roads, or as storage space, but equally for use as a crane or assembly platform for wind power, line construction, or photovoltaic systems. Fitted with a specially designed geotextile underlay, the plastic site road can be used to protect sensitive surfaces such as natural stone or precast concrete paving.

The benefits at a glance.

- Low weight, high load-bearing capacity
- Low transportation and processing costs
- Up to 75 panels can be transported per truck
- Protects the substrate of temporary construction site access roads
- No special-purpose vehicles needed for transporting the system
- Can be laid without excavation work
- Easy to install
- Fast laying speed

Basic data	
Material	High-density polyethylene
Dimensions	3,000 mm x 2,400 mm x 45,5 mm
Weight	285 kg per panel
Dimensions	3,000 mm x 2,500 mm x 47 mm
Weight	295 kg per panel
Surface	Profiled on both sides
Load capacity	Approx. 160 t/m² (depending on subsoil)

thyssenkrupp Infrastructure. Worldwide expertise for infrastructure projects.

Whether it's about mobility, urbanization, climate, or resource efficiency: As a leading supplier in the fields of civil, marine, foundation, and structural engineering, we offer our customers the complete range of products and services for handling their infrastructure projects worldwide. Our portfolio consists of four divisions: steel sections (sheet piles, anchor equipment, flood protection), machinery, trench shoring, and scaffolding systems.

We are a full-service supplier to the construction industry. We always begin our projects by providing customers with in-depth consulting, jointly developing solutions precisely tailored to the job in hand. We can fully depend on the expert support of our own consulting engineers.

With offices throughout the world, we are present wherever our customers need us. We know the local markets and their requirements, enabling us to provide tailored advice in the field; a crucial advantage, especially in aftersales service.



Temporary access to a construction site near Kehlen-Olm, Luxembourg.

A rainwater reservoir was to be built on a meadow in the municipality of Kehlen. However, access to the construction site proved to be a real challenge, as the terrain had a noticeable gradient and was strongly impacted by precipitation. In addition, the load-bearing capacity of the soil was low.

The idea of a conventional road with a base course was rejected by the construction company due to the high cost of installation and removal. Moreover, the original substrate was to be affected as little as possible. Finally, the project managers opted for our plastic construction site road.

The complete site road with a length of 625 meters was laid within only two days. A total of 250 panels were used, each 3.0 meters long, 2.50 meters wide, and 0,047 meters thick. The load-bearing capacity is 160 tonnes per square meter and the system is designed for construction site traffic with SLW60. The reservoir was completed within three months and the plastic site road was dismantled in a very short time.



Access roads and footpaths for the Reload Festival in Sulingen.

Every year during the summer months, the Reload Festival is held on open spaces in the municipality of Sulingen, Lower Saxony. More than 10,000 fans attend the multi-day rock event and a large number of them also spend the night at the site.

Plastic site roads were used in various areas to protect meadows and soils, providing access to the loading dock in the backstage area. They also served as the base for a parking lot where the nightliners of the bands stood and were used to form footpaths through the sanitary area.

All those responsible agree that the solution will again be deployed at the next festival.



Access roads to events around the 2017 UN Climate Change Conference in Bonn.

In November 2017, some 22,000 people from more than 190 countries attended the UN Climate Change Conference. Many of the related events were held in temporary buildings set up in nearby fields.

In order to protect the greenery, a large number of plastic site roads were laid. They provided optimum protection for the soil and good access to the various events, largely avoiding any damage to the fields.

Constructing a drinking water pipeline from Trages to Kömmlitz, Saxony.

The town of Kitzscher in Saxony planned the construction of a drinking water pipeline from Trages to Kömmlitz. The planned excavation led through meadows and fields with several particularly damp sections.

In order to carry out the preparatory work for the laying of the line as quickly and simply as possible, the contracting company decided to use our construction site roads. Around 1,000 meters of plastic site road and 800 meters of e+s steel construction road were used in the project. The installation was carried out according to a specified site plan. Wherever the ground was particularly wet, steel road elements were used.

The temporary construction site access road was completed within a very short time, enabling technical equipment and materials to be easily transported to the installation site. Furthermore, the construction road helped reduce the renaturation costs, as it enabled the return transport of discarded material.

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