

## KLP® Bridges



Whether it's for new construction or renovation projects, bridges made of KLP® plastics offer an excellent solution. Our bridges made from recycled plastics are maintenance free, sustainable and easy to clean. By using recycled plastic waste, we can offer higher quality products and help support the environment.



KLP® has an expected technical lifetime of at least 50 years and painting is no longer an issue. Calculated over the whole lifespan, you are better off financially with KLP®! Compared to wood the application of KLP® plastics is extremely safe: the material does not splinter and has up to twice the anti-slip properties of wood, especially in wet weather circumstances. We produce decking parts for bridges that allows you to walk around carefree.



The construction consists entirely of plastics supported by the unique properties of our KLP®-S Steel Reinforced Plastic Beams. With these steel-reinforced plastic beams, it is possible to construct bridges with much larger spans. This means that, compared to traditional construction, fewer poles or beams are needed. This can lead to considerable savings on the overall material and construction costs.

Our assortment offers a **KLP® Arched Suspension Bridge** (steel reinforced) which can be produced in various widths and a wide range of **KLP® Prefab Standard Bridge Segments**. KLP® Bridges are produced in the colour black. KLP® Hand Rails can be supplied in white or black. When installing different types of prefab bridge segments the handrails can be aligned on location after installation.



As well as offering a complete range of individual components for constructions such as bridges, we also offer a complete design engineering solution for which we have our own professional Engineering department and project managers with the right know-how. We advise, calculate, design, produce, assemble and pre-fabricate.

Do you have a specific requirement? We can also construct bespoke solutions to meet your specific needs. We are there to advise you!

*Durable & Environmentally friendly*

## KLP® Arched Suspension Bridge

Span: max. 850 cm by means of steel reinforced arch  
Width: 152 and 300 cm (standard)

## KLP® Prefab Standard Bridge Segments white or black hand rails (eurocode 5kN/m2)

Length segment	Width segment	Free passage space
300 cm	128 cm	120 cm
400 cm	128 cm	120 cm
500 cm	128 cm	120 cm
300 cm	158 cm	150 cm
400 cm	158 cm	150 cm
500 cm	158 cm	150 cm
300 cm	188 cm	180 cm
400 cm	188 cm	180 cm
500 cm	188 cm	180 cm
300 cm	228 cm	220 cm
400 cm	228 cm	220 cm
500 cm	228 cm	220 cm

Lankhorst offers in-house production facilities to Empatec, a social enterprise that provides meaningful and gainful employment to people with learning and employment difficulties. In their workshop many standard plastic products are customised by means of sawing, milling and assembling. These activities have been integrated in our primary process.

## From engineering to implementation



Construction calculations according to Eurocode (NEN-EN 1990/1991).

Empatec makes an increasing range of customized prefab products. This allows Lankhorst to supply its customers with a complete product, such as picnic sets, ramps or prefabricated jetty or bridge segments.



### Advantages of KLP®:

- Sustainable
- Environmentally friendly
- Anti-slip properties
- Maintenance free
- Easy to process
- No rotting, no splintering
- Recyclable
- UV, water & weather resistant
- Expected technical lifetime at least 50 years

*Durable & Environmentally friendly*