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krafton



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DE NATIONALE MILIEUDATABASE



krafton[®] 400.80 FRP Bridge Decking Plank

ECI value €5.30 m²



✓ Certified

✓ Lightweight

✓ Long service life

✓ European product

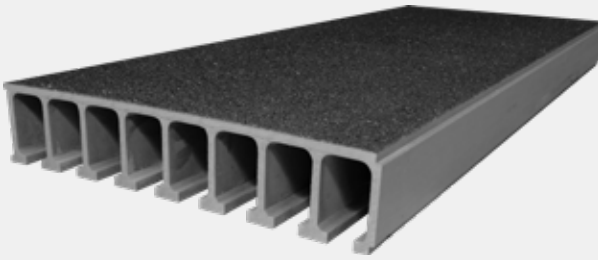
✓ Easy assembly

✓ Suitable for heavy vehicles

✓ Low maintenance

✓ No distortion due to UV

20-ton service vehicle



krafton® 400.80 FRP Bridge Decking Plank

DIMENSION	400 mm x 80 mm
MATERIAL	fibre-reinforced plastic
ECI VALUE	€ 5.30 m ²

APPROVALS



Safety guarantee

We guarantee that our FRP Bridge Decking Planks can be safely taken into use immediately. Our FRP planks are, beside the slip resistance R13 certified by TÜV, also comply with the Eurocode NEN-EN 1991-2 +C1/NB and DIBt approval.

Environmentally friendly features

Like our other FRP Bridge Decking Planks, krafton® 400.80 planks also have a service life of at least 100 years. If the krafton® planks need to be replaced, we will take them back in accordance with our well-known guaranteed return policy. Returned planks are reused in another location after a short treatment. Any irreparable parts are 100% recycled. We commissioned an LCA study, that has yielded an Environmental Cost Indicator (ECI) value. For the krafton® 400.80 plank, this amounts to €5.30 per m² based on a life span of 100 years. This is 46.7% lower in comparison with a bridge deck made of wood, where a wooden deck must be replaced every 20 years (based on the EPD product card Footbridge (wood), category 3). In comparison with a bridge deck made of steel walking grids, this is 78.2% lower, where the steel walking grid needs to be replaced every 50 years (based on the EPD product card Walking Grid; steel, galvanised and coated, category 3).

Quick assembly on-site

Regardless of the type of support structure, krafton® 400.80 planks are easy and quick to install using 1 of 6 certified fastening methods.

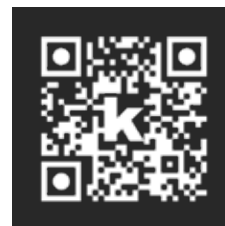
Technical data

Our planks are made of thermosetting material. As such, our planks have a low expansion coefficient and are not affected by deformation or creep, in comparison with thermoplastics. Also the krafton® planks are UV resistant and comply with the following spans:

Allowable span (multiple) multifiields:

WITHOUT VEHICLES 500KG P/M ²	4470 mm
ONLY SERVICE VEHICLES 5 TONS	2330 mm
ONLY SERVICE VEHICLES 10 TONS	1780 mm
ONLY SERVICE VEHICLES 16 TONS	1670 mm
ONLY SERVICE VEHICLES 20 TONS	1240 mm
ONLY INCIDENTAL VEHICLE 12 TONS	2170 mm

Request our structural engineer's report in the event of a deviating situation.



Want to find out more about the krafton® 400.80 FRP Bridge Decking Plank?

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