



## FRP gratings: Vikupul on signalisation masts

### Problem

Several signalization masts were built beside the stream "Schelde" in order to regulate the boat traffic in Antwerp harbour. The masts are a steel coated construction of 35m high. To prevent corrosion of the gratings, the Antwerp harbour administration wanted a maintenance free product.

### Solution

Vikupul, pultruded gratings offer a very high stiffness compared with a low weight. For a span of 1m, a load of 800 kg/m<sup>2</sup> with a deflection of 0,5% can be applied. The grating has a thickness of 30mm and a mesh of 19,5mm. The specific weight of the grating is 11,6 kg/m<sup>2</sup>. The pultruded gratings offer a unique anti skid surface providing safety for use.

### Size

> 1000 stair steps and > 500 m<sup>2</sup> of gratings.

**Year of construction** 1998, 2006 and 2009

### Benefit

FRP materials are the ideal solution for your corrosion problems. Beside the light weight the materials offer low maintenance costs since they are colored in mass. They do not need painting. The material is non conductive and non magnetic. It has no plastic deformation and is thermally stable.