



FRP constructions: Walkways, handrails and gratings at Oosterscheldekering

- Problem** At the Delta works in the Netherlands, lock gates have been built to protect the land from flooding. These lock gates are equipped with walkways, handrails and gratings in galvanized steel. Due to the corrosive environment, the steel constructions needed to be re-galvanized every 4 years.
- Solution** In order to deal with corrosion, low maintenance cost and ease for installation Fiber Reinforced Plastic beams and gratings are used. They are the ideal material to withstand corrosion. They do not rust and are not attacked by bacteria's.
- Size** 1000m² of Vikugrate, 30 stairs with 4 steps and 600 lm of handrails .
- Year of construction** 1999
- 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.