Breakwater repair

Bayonne, France

Being located at the Atlantic coast of France, the harbour of Bayonne is regularly exposed to stormy weather. In the 1960s, a breakwater was erected to protect the entrance channel. It included a wall and also a platform wide enough to accommodate a heavy duty crane used to place and re-position the 40t concrete blocks that cover the exposed outside of the structure.

For the renewal in 2014, the authorities specified stainless steel and opted for the proven 22% chromium, 5% nickel duplex stainless steel grade whose additional molybdenum and nitrogen contents provide superior corrosion resistance and mechanical properties. As grade EN1.4362 in the ribbed condition has a minimum yield strength of > 650 MPa, rebar diameters could be reduced, which contributes to the overall economics of the stainless steel solution.

Details

- Environment: Marine
- Stainless steel grade: EN 1.4362
- Product type: Rebar
- Dimension: 10 mm and 12 mm Ø
- Total quantity: 130 t
- Producer or supplier: Ugitech
- More information: ugitech.com

Aerial view