

# Breakwater revetment made from Elastocoast® in Harlingen (the Netherlands)

## Case Study

The breakwater revetments in the port of Harlingen consisted of concrete elements which are destroyed by now. In order to fill up the space between these elements Elastocoast® was used in combination with small granulate stones. As a result, the surface could be stabilized.

Task: Protection against erosion and wave impact

Bonding agent: Elastocoast® 6551/100 (1.2 t),  
Elastocoast® 1665/103 (2.5 t)

Year of construction: 2008 / 2009

Realization: Hydraphalt v.o.f.

Planning: Waterschap Fryslân

Area: 500 m<sup>2</sup> (2008) / 3,000 m<sup>2</sup> (2009)

Construction: Granulate gravel (11/16 mm) and Elastocoast®

