



SUPPORT OF AN IMMERSED TUBE

PROBLEM

An immersed tunnel should be supported perfectly. The pile heads are finished under water with no guarantee that they are perfectly aligned.

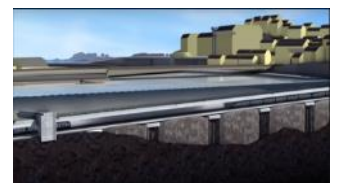
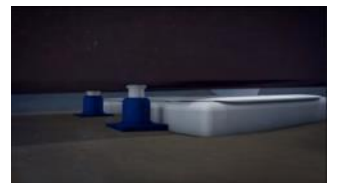
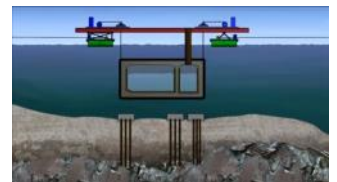
SOLUTION

A "cushion" that is filled with a very fluid mortar with a high compressive strength is placed on top of the pile heads. The mortar should not segregate under the water surface and must not show any shrinkage over a long period of time.

Hydraulic jacks kept the tunnel at the desired height during immersion. **CEMPAC® 565** was injected from a pontoon into bags that are placed between the pile head and the tunnel element.

USED PRODUCTS

CEMPAC® 565 : Repair and/or strengthening of concrete constructions, bonding agent for Preplaced Aggregates Concrete. Can be applied under water.



cempac

PROJECT DETAILS

LOCATION	Citybanas tunnel under Söderström (Stockholm-Zweden)
DATE OF EXECUTION	May 2013
ENGINEERING	TRAFIKVERKET
CONTRACTOR	Nordisk MMS

More info?
www.cemart.eu