

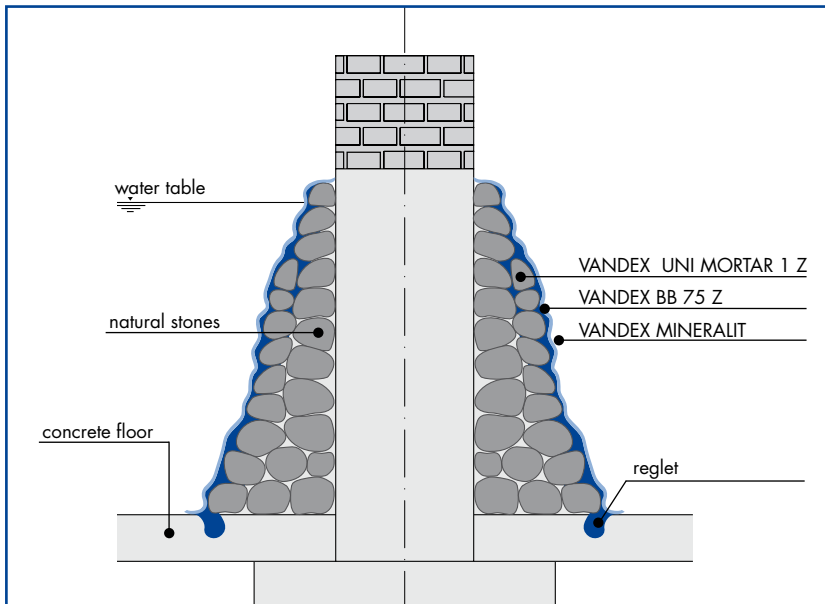
### Aquarium Neapel, Italy

**Project Name:** Stazione Zoologica Anton Dohrn, Neapel, Italy  
**City:** Neapel  
**Country:** Italy  
**Owner:** Foundation Anton Dohrn  
**Engineer:** HARPO Triest  
**Vandex Applicator:** HARPO Triest, Ing. Salvatore  
**Construction Period:** 2006



Stazione Zoologica ca. 1870

#### Sketch Fishpools Stazione Zoologica Anton Dohrn



#### Technical Information

**Products Used:** VANDEX MINERALITE 150–200 gr./m<sup>2</sup>  
 VANDEX UNI 1 Z  
 VANDEX BB 75 Z, 3 mm surface cover  
**Areas Treated:** 50 Aquariums

- VANDEX MINERALITE was spray applied to the prepared substrates, to increase the density and also to contain efflorescence.
- VANDEX UNI 1 Z was used to repair and waterproof joints and seal the wall-floor junction.
- VANDEX BB 75 Z was chosen due to having waterproof properties and being drinking water approved. It is also highly resistant to the seawater in the aquariums. The VANDEX BB 75 Z surface is further more easy to clean and maintain. The applied VANDEX BB 75 Z slurry replicates the substrate very well.

#### The situation before:

The aquariums at the Zoological Station shows signs of age involving a possible decrease in the living conditions for the valuable fish collection. Increasing difficulty in keeping the surfaces in the aquariums clean was also an important issue. Leaks had to be waterproofed.

#### The Vandex solution:

The Vandex solution was designed to take maximum care of maintaining a good marine environment. It was also required to maintain the original surface structure.

The drawing shows the Vandex solution for the aquarium refurbishment.



The aquarium background wall exposed after water is removed.



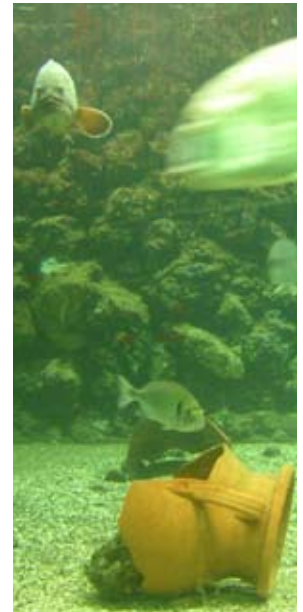
Heavy efflorescence and also alga growth.



Chiseling out the wall/floor junction.



Removing render to examin underlying concrete.



Stazione Zoologica  
Anton Dohrn



**CONCRETE PROTECTION AND WATERPROOFING**

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