

# BELZONA RESTORED DOCK STEPS GOOD AS NEW AFTER THREE DECADES

ID: 6368

**Industry:** Marine  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Stone/Cement  
**Products:** \* Belzona 4111 (Magma-Quartz) ,  
 \* Belzona 4151 (Magma-Resin) ,

**Customer Location:** Naval dock, La Spezia, Italy  
**Application Date:** June, 1989

## Problem

Access steps showed conspicuous signs of deterioration due to the aggressive marine environment and pedestrian traffic from workers over the decades.



## Photograph Descriptions

\* 1. Deteriorated steps 2. View of the edges during reconstruction 3. Application completed in June 1989 4. View of the same area in September 2016 ,

## Application Situation

Dock was originally constructed in 1876. Access steps in the bottom of the basin required attention.

## Application Method

Application was carried out in accordance with Belzona System Leaflet FPA-1. The damaged area was high-pressure cleaned, manually scarified and rebuilt with Belzona 4111. Belzona 4151 was then applied on top in conjunction with marble chips.

## Belzona Facts

Repair was performed in 1989 and was then inspected in September 2016. After 27 years of service the repaired steps showed no sign of degradation and were in perfect working order.

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ISO 9001:2015  
 FS 695214  
 ISO 14001:2015  
 EMS 695213

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