

# Belzona Protects Concrete Floor from Chemical Damage

ID: 5238

**Industry:** Chemical & Petrochemical  
**Application:** FPA-Floor Problem Areas  
**Substrate:** Concrete  
**Products:** \* Belzona 5811 (Immersion Grade) ,

**Customer Location:** South Carolina  
**Application Date:** July 2012

## Problem

Floor, sumps and support pedestals are eroding due to sodium hypochlorate exposure to the concrete. Additionally, the sump drain has PVC which is a fire hazard and must be replaced. Chemicals will seep through the concrete into the ground if not contained.



## Photograph Descriptions

- \* Damage to concrete floor from chemical spill ,
- \* Seepage of sodium chlorate from previous product failure where the competitive product failed on adhesion ,
- \* pH testing of concrete after power washed and prior to coating ,
- \* Two coats of Belzona 5811 to drain and floor ,

## Application Situation

Concrete floor in a Chemical Process Building

## Application Method

Power wash and remove any loose concrete, remove the previous epoxy from the sump containment well. Concrete was pH tested prior to application of material. Followed the IFU for Belzona 5811 as to cure and overcoat time. Belzona 5811 was applied in two coats with a roller and brush system.

## Belzona Facts

Adhesion and protection from sodium hypochlorate was the principal reason Belzona 5811 was selected. The customer had a previous coating on the sump well floor and sides that delaminated and failed due to poor adhesion.

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

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