

## Corrosion Protection for a Single Bottom Storage Tank on Concrete Foundation using Zerust's Zerion® FVS Corrosion Inhibitor Sleeves

### Project Specifics

#### Installation Dates

September 2023

#### Location

Texas, USA

#### Environmental Conditions

Avg. Temp. 79°F, ~49% humidity, sunny, no breeze

#### Asset Details

Diameter: 105-ft

**Vessel Construction:** Single bottom, concrete slab foundation, no liner, existing ring wall and sealant system.

#### Inhibitor Delivery System (IDS)

None

#### Zerust Product(s) Used

Zerion® FVS Corrosion Inhibitor Sleeves

#### Problem:

The client needed routine maintenance on their chime seal, leading to its removal and replacement.

#### Project Details:

The chime seal from 250° to 270° was entirely replaced. Fresh concrete sealing (epoxy paint) was applied as a base, followed by the installation of brand-new Zerion FVS-S15 corrosion inhibitor sleeves, Viscotaq EZ Wrap, and a double layer of Sherwin Williams Uniflex 44-300. The replacement process proceeded without any complications.

#### Outcome & Recommendations:

The chime repair, which lacked epoxy sealer, unfolded as planned. The double coating of the entire chime area created a robust seal with lasting durability. To maintain a pristine appearance and prevent green algae buildup, we suggest periodic light washing with water and dish soap. It's important to avoid applying any overcoat on the silicone seal and keep the ports closed to retain the anti-corrosive properties of Zerust chemicals.

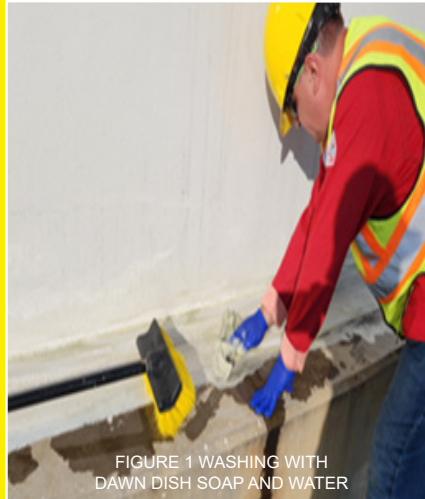


FIGURE 1 WASHING WITH DAWN DISH SOAP AND WATER



FIGURE 2 WIPING UP EXPELLED WATER FOLLOWING INCISION TO REMOVE OLD SLEEVES



FIGURE 3 ORIGINALLY INSTALLED ZERION FVS-S15 CORROSION INHIBITOR SLEEVES



FIGURE 4 EVIDENCE OF DRAINING CHEMICAL CONTAINING WATER



FIGURE 5 EXTRA-HEAVY RECOAT TO SECURE THE CHIME