

## Project Profile - Utilities



### PROJECT

External and Internal Lining of  
Sewer Aerator Floats, Iran

### SUMMARY

Protection of steel aerator floatation  
units in contact with sewage

### PRODUCTS

Cemprotec E942

### CLIENT

Qom Waste Water Authority, Iran

### CONTRACTOR

Delfard Sistan Co, Iran

### BACKGROUND ▶

The sewer aerator floatation units were suffering from advanced corrosion owing to aggressive attack of acidic waste water combined with the inevitable effects of impact damage.

The surface deterioration was exacerbated by exposure to harsh direct sunlight, and the historic use of coal tar or epoxy coatings had proved unsuccessful. The Qom Waste Water Authority sought modern alternatives, and the prospect of a novel cement based material was welcomed by the Client.

### THE SOLUTION ▶

**Cemprotec E942** is a polymer and epoxy modified cementitious coating which is applied without a primer, its unique reactive passivating mechanism giving immediate protection. It was chosen due to ease of application by unskilled labour using simple brush techniques. Prior to application of the product, the contractor used ultra high pressure water washing to remove corrosion and surface contamination, whilst also cooling the surface immediately prior to application. **E942** does not require preparation to Sa2½ providing cost-effective corrosion control.



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