

# Challenge

#### Issue

Uncoated concrete neutralization pit for boiler feed water treatment required protection against dilute acid used in demineralization process.

#### Goal

Provide long-term protection of the concrete

### **Root Cause**

As part of the demineralization process, pits, drains, and plinths are exposed to flush water with HCl and NaOH.

# Solution

#### Preparation

- Allow concrete to reach full 28 day cure
- Mechanically scarify surface to CSP3 finish

### Application

- 1. Apply ARC 791 coating to mild areas of exposure @ .250" (6.4 mm)
- 2. Apply ARC 988 coating to aggressive areas of exposure @ .250" (6.4 mm)

### **Results**

#### **Client Reported**

ARC was in service for 5 years without problem until plant was closed for economic reasons.



Concrete protected with ARC 791 and ARC 988



ARC specified by plant engineer



Environmental conditioning required during application

EN23593.61

09/14

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

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