

Challenge

Issue

Failure of existing floor coating in starch area exposed concrete to bacterial growth. Health inspections require low bacterial counts

Goals

- Tightly sealed surface to reduce bacterial growth and ease cleaning
- Long-term protection of concrete

Root Cause

Bacterial growth and chemical cleaning combine to degrade concrete.

Solution

Preparation

- Decontaminate surface
- Mechanically grind surface to CSP3 finish

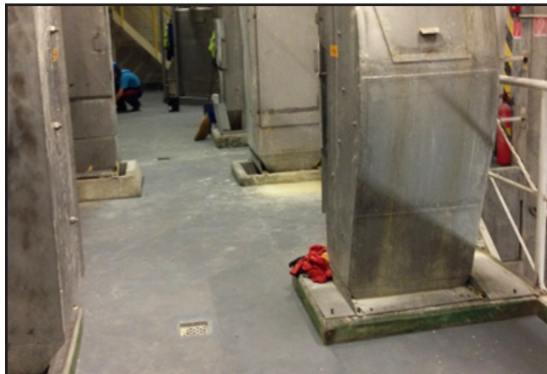
Application

1. Apply **ARC 791** @ .25-.375" (6.4-9.6 mm) in a monolithic layer
2. Cut regular control joints into surface and seal with elastomeric sealant

Results

Client Reported

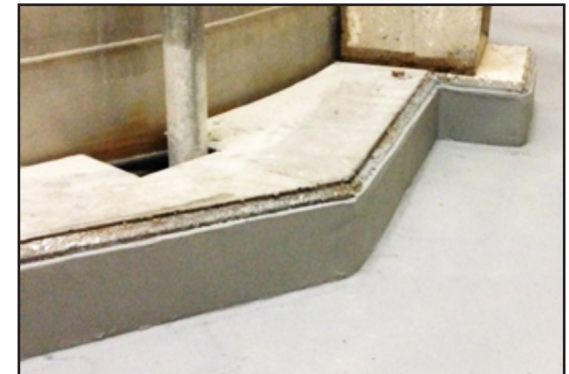
- 14,000 ft² (1,400 m²) applied in 3 stages
- Surface is sealed and protected eliminating concern for bacterial growth
- Chemical cleaning is accomplished quickly and without damage to concrete



Old coating



Applying ARC 791 to equipment base



View of section of final coated floor