

Process Area Floor

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

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

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A.W. Chesterton Company

860 Salem Street, Groveland, MA 01834 USA

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