

## Wall Restoration – Food Processing Plt.



*Monolithic System –  
“Restores structural  
Integrity, and clean ability in  
a weekend shut down.”*

### Location / Year

Tyson Foods – Waterloo, IA  
Fall 2013

### Fabricator / Applicator

L & P Painting Inc.

### Fabrication Details: Resin & System

Vinyl Ester Resin System - Dion 382  
Cerarmix VE-MR @ 200-250 mils  
1.5 oz. Mat reinforced  
Topcoat/Gelcoated with 12-16 mils  
(Semi-gloss finish)

### Technical Data

- Standard 8" Cement Block
- Holes and erosion in block from Cleaning chemicals and fatty acids.
- Large aggregate visible throughout the surface

### Service Conditions

Rendering Area  
Ranging from 40F to 110F  
100% humidity  
Steam and High Pressure Cleaning

### Design Considerations

Material selected for its high chemical resistance, resistant to staining, chalking, mold and mildew resistance.

The material also would bridge cracks and eroded mortar joints creating a monolithic wall system. The system eliminates habitats for rodents or pest and utilizes food grade materials to comply with the U.S. Food, Drug and Cosmetic Act, as amended, and applicable FDA regulations (21 CFR 177.2420).

### Comments

The wall system has performed remarkably well. It handles all cleaning and sanitation processes better than traditional coatings. Plant sanitation practices using CIP chemicals, high pressure hot water, as well as steam have had no effect on the Cerarmix materials.

The first area (20' x 40') was a test/trial for the plant. Plant maintenance will be releasing more areas for rehabilitation – pending budget approval.