

Challenge

Issue

A food plant customer frequently cleaned the floor area where foot and heavy forklift traffic occurred. During power washing the concrete spalled and created a trip hazard.

Goals

Repair concrete floor by applying a material that could be installed rapidly and would provide a safe level surface.

Root Cause

Heavy traffic and frequent pressure washing resulted in concrete spalling.



Floor condition with concrete spalling.

Solution

Preparation

The damaged area was cleaned and all loose concrete was removed. The “key cuts” were made to ensure a tightly sealed surface to prevent feathering at the edges.

Application

ARC EG-1 Grout Resurfacer was applied in a single application directly to the prepared concrete at a thickness ranging from about 1 cm – 5 cm (0.4" – 2"). It was keyed into the existing floor providing a level surface with no trip hazard.



Surface preparation before ARC EG-1 is applied.

Results

Client Reported

After two months in service, the ARC EG-1 is resisting the heavy forklift traffic and daily clean down procedures in this area. Client is very pleased with the inherent slip resistant surface that the ARC EG-1 product provided.



Floor after ARC EG-1 coating is installed.