

## Challenge

### Issue

Previous “safety tapes” had repeatedly failed and tow motor trucks were slipping on ramp entry to warehouse, presenting a high safety risk to mill management.

### Goals

Avoid lost time accidents, worker injuries, and reduce risk of damaged finished product.

### Root Cause

High dew point caused condensation in morning shift. Safety tape would not adhere properly and peeled away. Scoring concrete was rejected for inadequate uniformity of slip resistance.



Damaged ramp

## Solution

### Preparation

- Pressure wash and degrease concrete to remove old adhesive residues and tire scuffs
- Diamond grinding for CSP3 profile

### Application

1. Mark surfaces and mask to create alternating strips on ramp
2. Apply **ARC 855** by roller @ 30-40 mils (0.75-1 mm) followed immediately with broadcast of #16 grit  $Al_2O_3$  and back-roll
3. Sweep excess grit off



Outlined areas for roughening and coating

## Results

### Client Reported

Since broadcast system has been installed, no further slipping accidents have occurred and surface remains in service after 10+ years.

No further lost time accident reports have been filed for this area of warehouse.



Finished ramp surface