

LIGHT INDUSTRIAL CASE STUDY

LOADING DOCK RAMPS



1 SITUATION

Two loading dock ramps at a local foundry were corroding, causing safety hazards while diminishing the value of the equipment and resulting in an eyesore for the company. The spring loading docks are used to allow forklifts easier access to truck loads at the plant. However, forklift traffic and pallets dragged over these ramps were causing serious wear on the ramps resulting in a slippery, rusted surface.

The Safety Manager at the plant needed a solution to reduce slippage and protect the ramp surface. He couldn't find an acceptable solution that met all of the application needs. After seeing the results LINE-X achieved on other plant projects, the Safety Manager contacted LINE-X for help with the loading dock ramps.

2 PROCEDURE

The foundry removed the docks and sandblasted them to a 3 mil profile at their facility. The docks were then brought to the LINE-X store where the remaining edges were masked off for protection. The surface was cleaned again and coated with SF-515 primer. LINE-X then sprayed the docks with XS-350 to 125 mils to provide maximum protection, adding aggregate to the top 40 mils of the application to achieve the extreme texture.

Each dock was 70 square feet and required approximately 60 pounds of XS-350. The entire application was finished in less than one day.

3 SOLUTION

Given the high traffic, impact and abrasion requirements of the loading docks, LINE-X XS-350 was used. Extreme texture and additional aggregate were utilized to achieve desired slip resistance and the aesthetic look the client required.

4 RESULTS

The customer was very pleased with the outcome. The extreme texture in the LINE-X application promotes a safer work environment, while the durability of XS-350 ensures the loading docks are protected against heavy forklift traffic and abrasive pallets dragging across the docks.

