

LIGHT INDUSTRIAL CASE STUDY

RESTAURANT GARBAGE CANS



1 SITUATION

The local branch of a popular restaurant chain was experiencing serious decay in their steel garbage cans. The cans are essentially steel drums approximately 30 gallons in size. Food waste, which is extremely corrosive, consistently makes its way to the bottom of the cans and is difficult to clean out. As a result, the cans rust out and must be replaced every 6-12 months.

Plastic garbage liners weren't enough to protect the inside of the garbage can. Previously, the company tried a coating from another company, but the coating failed. They approached the local LINE-X for a higher quality solution. They needed a protective coating that would prevent corrosion and still came it at a reasonable price point.

2 PROCEDURE

Three new garbage cans were brought to the LINE-X shop where they were sanded with 80 grit sandpaper. The cavity at the bottom of the cans where they had been pinch welded was hand sealed with the LINE-X patch kit to ensure a complete seal and 36" masking paper was secured under the lip at the top of the cans. No wire trim was required.

Using a Fusion gun with a flat tip to accommodate the small opening and awkward ribs on the sides of the cans, LINE-X XS-100 was sprayed to 60 mils. The LINE-X coating was brought up and over the lip of the barrel. The machine pressure was lowered to 800-1000psi for the flat tip.

Used or rusted garbage cans require sandblasting to remove all rust and priming to enhance bonding.

A total of seven pounds of material was used per can. Each can required 30 minutes to complete.

3 SOLUTION

LINE-X XS-100 was applied at approximately 60 mils to the inside walls and floor of the cans to provide corrosion protection. The cans were completed within one day and ready for use that evening.

4 RESULTS

The restaurant was pleased with the results. The expected lifespan of the garbage cans is 3-5 times longer with the LINE-X protective coating. As a result, the company has had LINE-X spray several more garbage cans. LINE-X provided the necessary corrosion protection and came in at a lower cost than regularly replacing the cans.

