

Product Case History



Taking the Crunch out of Corrosion – Success at Bick's Pickles

PRODUCT(S) USED:

Exterior Coating 1: Carboguard 890

AREA COATED:

Bick's Pickles, a division of Smucker's Foods of Canada Company, supplies pickles and condiments worldwide under its own brand labels and leading private labels for retail and food services. Bick's manufacturing plant is located in Dunnville, Ontario and services both the Canadian and the U.S. markets. The plant produces over 125 varieties of pickles and condiments.

Due to the exposure to high humidity and organic acid vapours, the manufacturing plant had experienced corrosion in their facility. The galvanized ceiling over the production lines, pickle tanks and refrigerators was corroding on the ceiling joints and structural steel beams. The ceiling needed to be repaired within a 12 day time frame and not interfere with the processing areas.

LOCATION:

DUNNVILLE, ON

DATE OF APPLICATION:

DECEMBER 2006

MARKET:

FOOD & BEVERAGE

SUBSTRATE:

STEEL

SURFACE PREP:

CLEAN & DRY

EXPOSURE:

HIGH HUMIDITY &
ORGANIC ACID VAPOURS

SURFACE PREP:

SSPC-SP 6, SSPC-SP 7

SQ FT:

OVER 18,000



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COATING SELECTION EXPLANATION:

The solution was to double wrap the stainless steel production line and use hanging tarps to block the sandblasting from the processing areas. Within 30 feet of the enclosed pickle tank area, the pearl onion processing line was operating. After observing the situation and ensuring that the blast media did not escape the closed area, Bick's Management team was happy with the proposed solution and production continued.

The preparation to repair the ceiling was a commercial blast on the structural steel. A brush off blast cleaning was done on the galvanized ceiling deck where there was no existing iron oxide rust. In heavily rusted areas, spot prime on the galvanized deck was done with Carboguard 890 and then topcoated with Carboguard 890 over an 18,000 square foot area.

The Applicator was able to complete the project within 10 days and the repairs did not interfere with the processing lines. Bick's Management Team was very pleased with the results.

ADDITIONAL PHOTOS:

