

# Product Case History



## LOCATION:

COLESON COVE, NB

## DATE OF APPLICATION:

JUNE - DECEMBER 2004

## MARKET:

POWER

## SUBSTRATE:

STRUCTURAL STEEL

## SURFACE PREP:

CLEAN & DRY

## EXPOSURE:

GALVANIC CORROSION

## Structural Steel Coating at New Brunswick Power, Coleson Cove

### PRODUCT(S) USED:

Exterior Coating 1: Carbozinc 11

### AREA COATED:

In the Summer of 2004, New Brunswick Power conducted an extensive expansion project at the Thermal Generating Plant in Coleson Cove.

In order to select a protective coating system for the structural steel an evaluation was conducted to choose a basic workhorse system that would provide long-term corrosion protection. It was determined that the best performance value would be achieved using a spray applied zinc rich primer. Given its wide reputation for superior quality and long-term performance characteristics, Carboline's Carbozinc 11 inorganic zinc primer became the system of choice.



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## COATING SELECTION EXPLANATION:

Carbozinc 11 with its high zinc content (85% zinc content in the dried film), provides galvanic protection very similar to hot dipped galvanized steel. Zinc rich primers such as Carbozinc 11 also have many advantages over galvanizing. For example, zinc primers can be applied in virtually any paint shop and can even be applied on site. Extensively large or heavy steel members that are too large to be dipped in galvanizing can be easily coated with zinc rich primers. In most cases, spray applying zinc primer rather than galvanizing will also minimize shipping, handling and fabrication issues, saving time and money.