

Location:

Ontario, Canada, ---

Market:

Metals and Mining

Substrate:

Steel

Surface Prep:

Clean & Dry

Exposure:

Exterior Weathering - moderate
industrial exposure - chemical
environment

Hemlo Gold Fields

Area Coated: Exterior Coating

- First Coat: Carbomastic 15
- Second Coat: Carbomastic 242

Project Description:

Three major mining companies - Noranda, Teck-Corona and Lac Minerals - began production early in 1985 at what has been described as the single largest gold deposit (.18 ounces per ton) in North America in the Hemlo gold fields. A complete site surface complex on the north shore of Lake Superior was recommended. In order to save time, a decision was made to dismantle an existing head frame from a previous site, refurbish and move to the Noranda location.

Project Challenge:

The challenge was to paint the existing head frame quickly and in low temperatures.

Coating Selection Explanation:

The challenge was to paint the existing head frame quickly and in low temperatures. Carbomastic 15 was originally chosen but because of its low temperature cure capabilities and one coat application, Carbomastic 242 was the product of choice. Kilborn was so impressed with the handling and shipping qualities and the speed of the one coat cold cure that all specifications were switched to CM 242.

Additional Information:

About halfway through the Noranda project, Lac Minerals reviewed the success of their neighbors and recommended CM 242 for all steel fabricated for Lac Minerals. Between the two mine sites, over 30,000 gallons of Carboline coatings were used, primarily Carbomastic 242. Where color was required, Carboline 198 Gloss was used with excellent results.

