

Cement Quebec Inc. New Blending Plant

Sainte Basile, Quebec



The construction of a new cement blending plant in Saint-Basile-De-Portneuf, Quebec, exemplifies how history, modern competition, and sustainable practices can converge in a groundbreaking project. This facility combines the powerful benefits of hot-dip galvanized steel with cutting-edge technology and forward-thinking sustainability—touching on the past, present, and future of construction.

The site for this plant has historical roots that date back to 1670, when Jesuit priests founded

a quarry to supply stone and cement for the construction of churches across Nouvelle France. Over 350 years later, the same quarry continues to serve as the source of raw materials for the modern cement plant. This deep connection to the past underscores the enduring significance of local resources and craftsmanship in the development of the region.

This new facility has an eye on the future with Synergia, a 50,000 ton per year waste product energy sourcing system unique in North America.

While steel and cement are often seen as fiercely competing materials for construction, in this instance, they worked together beautifully in pursuit of the most cost effective and durable solution for the facility.

It provides the energy required for cement production by transforming everything from used shingles and tires to scrap pressure treated wood. Converting these from being potential toxic waste into energy producing fuel.

At the heart of this project is the innovative use of hot-dip galvanized (HDG) steel. While cement and steel are often seen as competing materials in construction, this plant demonstrates how they can complement one another to create a cost-effective, durable solution. Concrete, chosen for its solidity, forms the backbone of the plant's structure, while HDG steel enhances it with resilience, rapid construction timelines, and minimal long-term maintenance costs. Galvanized steel adds decades of durability and impact resistance, ensuring the plant stands strong through the rigors of its operations. The amazing HDG value equation is that all these added qualities come at little to no extra cost over traditional painting. Compelling? Apparently so, enough that a new cement plant was built primarily from hot-dip galvanized steel! ■

Galvanizer

Corbec - Quebec

Fabricator

Alma Soudure

Owner

Ciment Quebec Inc.

Industrial