



Galvanizing Insights

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Galvanizing Innovations

Ruggedness, Resiliency, and Resplendence Resonate throughout 2017 Excellence Awards

The 2017 winners showcase the resilient and illustrious hot-dip galvanized coating. The preminent award, designated Most Distinguished, was given to the Horizontal Oil Sands Slurry Preparation Plant (SPP) in Alberta, Canada. The SPP liquefies oil sand ore for further treatment, and is part of the massive \$10 billion investment in the Horizon Oil Sands development. The rugged nature of the extraction site and corrosiveness of the liquefaction process present serious corrosion challenges. This coupled with the fact the engineers wanted to design the plant to be relocatable led to the decision to hot-dip galvanize the steel in the SPP. This innovative use of hot-dip galvanizing provides Horizon with a cost-effective, long lasting plant to facilitate North America's goal of energy independence.



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Ask Dr. Galv



Q: How do I utilize wash primers for preparing HDG surfaces for painting?

A: In order to provide a good adhesion profile for the paint in a Duplex System, the hot-dip galvanized surface must be cleaned and slightly roughened to provide an anchor profile. Although brush off blast cleaning is most commonly used for preparing and profiling hot-dip galvanized surfaces (HDG) for painting,

ASTM D6386, *Practice for Preparation of Zinc (Hot-Dip Galvanized) Coated Iron and Steel Product and Hardware Surfaces for Painting*, lists a wash primer treatment as an alternative method.

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Quarterly Case Studies

Cove Point LNG Expansion

Lusby, MD

Keeping the LNG facility at full capacity consistently required a durable, long-lasting corrosion protection system, and hot-dip galvanized steel provided the strength and reliability necessary to withstand the rigors of such a harsh environment. Thanks to hot-dip galvanizing, the Cove Point Facility will be able to supply an alternative energy source within and well beyond our borders for generations to come.



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