

Application: Paint Process Enclosure

Product: OmniFlex Steel-Faced Panels (16 feet tall)

Benefits Provided:

- ✓ Insulated Walls for Optimal Thermal Control
- ✓ Improved Product Yield
- ✓ Integration with Existing Conveyor System



The Situation

Our client required the use of PortaFab's OmniFlex wall system in order to enhance its existing paint line process, and improve operations. The modular wall system would function as a protective barrier around the client's paint process machinery, keeping other equipment and personnel safe from its powder coat applications. The client had strict requirements for the wall system that would be used for this paint booth enclosure.



The Challenge

Since maintaining the correct temperature is essential to achieving a high quality coat finish with minimal defects, the painting enclosure needed to allow for exact temperature control within the painting area. The surface of the wall system also needed to provide an easy to clean surface, given the painting machinery within the structure.



The Solution

Given the quality standards that the client required, PortaFab was able to successfully accommodate their needs and provide a solution that would allow them to increase efficiency and productivity within their plant.

Based on the stated requirements, PortaFab recommended the OmniFlex steel-faced panel wall system. The steel wall panels would provide structural integrity, while their smooth surface would serve as an easy to clean surface. Due to the height of the existing conveyor system, the OmniFlex system's 16 foot high walls were able to integrate with the conveyors in the facility. This allowed for the creation of an environmental enclosure (E-Room) controlling temperature, humidity and cleanliness within the paint booth.