

## Purlin Replacement

Our client represents the world's largest integrated titanium dioxide project. As a vertically integrated producer of titanium dioxide and inorganic chemicals, this company mines and produces titanium related products, amongst others. Their products add brightness and durability to paints, plastics, paper and other everyday products.

The client needed the purlin replaced in one of their storage facilities. Treadwell was engaged to supply the structural profiles.

### Project Challenges

- Structural profiles needed to withstand exposure to a corrosive environment.
- Selected material had to be long wearing as the previous structure was susceptible to corrosion.
- Structural profiles would be retrofitted.

### PROJECT INFORMATION

Project Category:	Structural Infrastructure
Scope of Work:	Supply FRP structural profiles
Treadwell Products:	ArchitEX™ FRP Structural Profiles



### Treadwell Solution:

- 1 ArchitEX™ FRP structural profiles are constructed from premium resin systems which ensure durability with built-in corrosion resistant properties.
- 2 Treadwell's FRP is naturally non-conductive which provide electrical safety.
- 3 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.

- 4 Being lightweight and easy to install, FRP is very manageable during construction.
- 5 Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.