

Challenges

A major European tubular products producer was applying a water-borne corrosion preventive coating to oil field pipe and casing. The coating process equipment was very inefficient causing high usage, inconsistent film thickness, and hazardous working conditions.

In addition, the tube producer was faced with the following problems:

- **Inefficient coating application did not capture overspray resulting in high coating costs and a hazardous work area.**
- **Lack of internal expertise for equipment modifications.**
- **Coating did not provide adequate corrosion protection for outdoor storage during curing.**
- **Long-term corrosion protection did not meet industry standards, resulting in customer claims due to corrosion.**

Providing Solutions

Quaker addressed this situation through a combination of application expertise and coating technology. With the introduction of QUAKERCOAT® 854, system modifications, and operator training, the European manufacturer received the following benefits:

- **Improved application process allowed for capturing and recycling overspray.**
- **Increased water resistance of coating allowed for outdoor storage in rainy conditions one hour after application.**
- **Quaker's application expertise allowed modifications to multiple coating lines reducing overall coating consumption.**
- **Reduction in waste disposal costs from increased application efficiency.**
- **Lower solvent emissions due to improved product and application techniques.**
- **Better long-term corrosion protection, resulting in fewer customer claims.**

Product Description

QUAKERCOAT® 854 is a water-based, air curing, permanent protective coating intended for use as a corrosion inhibiting coating on metal. QUAKERCOAT® 854 exhibits rapid drying and can be pigmented to meet customer requirements.

Process & Equipment

Operation:	Flood coating application, final corrosion preventive
Material:	Low carbon steel
Part Produced:	Oil field pipe

Product & Process Expertise

Quaker is a worldwide developer, producer and marketer of custom formulated Tube & Pipe process chemicals and coatings. From first coil to final cut, Quaker is capable of providing process chemicals for all operations in ERW and Seamless mills, and delivers the in-depth process expertise to help maximize your productivity.

Quaker's product line includes hydraulic lubricants, high-temperature greases, cleaners, forming & sizing coolants, drawing & forming compounds, sawing lubricants, hydrotesting compounds, corrosion preventives and a complete line of high-value coatings (including solvent, water-based and UV coatings).