

# Saving Time and Product in a Corrosive Filling System with Dursan® Coating Technology



## A SILCOTEK® CASE STUDY

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# ASEA

*“SilcoTek’s Dursan coating has given us peace of mind that our product is the highest quality possible.”*

*- Hunter Dean  
Engineering Manager*

## SUMMARY:

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ASEA® produces a variety of consumable supplements that claim to enhance and improve the human body on a cellular level. The ASEA manufacturing facility was experiencing corrosion in their fill system that could not be combated with a nickel PTFE coating. SilcoTek®’s Dursan® has been an effective solution to save them time and product in their filling process.

## CHALLENGES:

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The product that ASEA manufactures is highly corrosive and their fill systems would rapidly corrode upon exposure to the product. In order to prevent corrosion and contamination, ASEA began using a nickel PTFE coating which eventually became ineffective as well. The corrosion occurring was on the fill system which injected foreign material in the product bottle of the first 50 bottles. ASEA had to purge their machine and lose product at the beginning of each day.

## HOW SILCOTEK HELPED:

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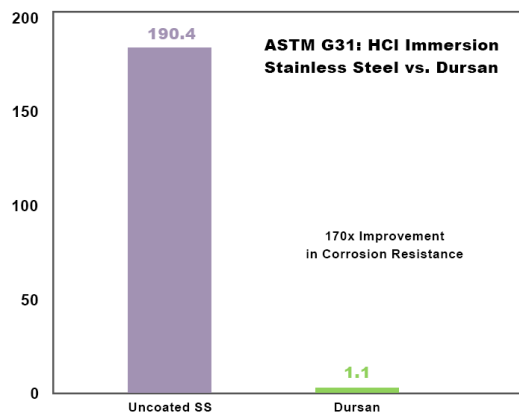
SilcoTek suggested replacing the nickel PTFE coating with our Dursan coating technology. Dursan is known for its ability to ensure an inert and corrosion-free surface. ASEA has reported that since using the Dursan coating, they have not seen any corrosion in their fill system.

## GAME-CHANGING BENEFITS:

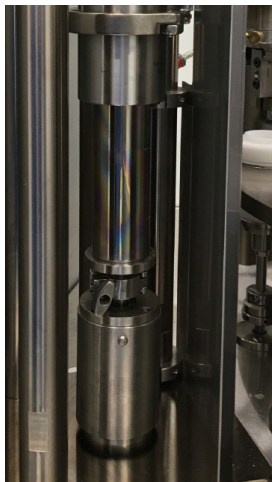
ASEA® is committed to efficiency as a company and quality as a supplier, so corrosion in their fill system was a big problem for them. After switching to SilcoTek®'s Dursan® coating, they saved 2 hours of labor each day because they no longer needed to purge their system to eliminate contamination from corrosion. This means that they saved 50 liters of product that was otherwise wasted due to quality standards. ASEA estimates that by eliminating the need for daily product purging, they save \$200 a day and nearly \$50,000 a year. ASEA is happy to be saving time and product each day as well as knowing that the product they are supplying is not affected by any contaminants now.



ASEA Redox product in filled bottle, manufactured in their facility.



Graph depicting corrosion of Dursan vs. uncoated 316L stainless steel in HCl.



SilcoTek-coated parts at the ASEA facility.



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