

Case Study: Aquastrip™

Ecoater Gets 200% More Use of Paint Stripper at 40% Savings

The Challenge

An electrocoater was having a difficult — and expensive — time with its paint stripping line, spending \$6,000 with its previous supplier to initially charge the bath with chemistry, plus \$3,000 to recharge the chemistry. The initial bath lasted about 3 weeks before the performance began to decline, at which point they would decant half of the solution, desludge, and make a partial recharge. The bath would then last roughly another 3 weeks before the chemistry was entirely dumped and started again.

The Approach

The Hubbard-Hall team analyzed the paint stripping process and realized that they could significantly help the operator in saving time, money, and improving the process, too. They quickly adapted two of their products to emulate and improve upon an existing process while adding value by way of cost and performance.

- **Aquastrip 1200**, a caustic paint stripper containing a blend of organic agents to facilitate chemical stripping for steel and silicone.
- **Aquastrip BCA 10**, a paint stripping additive designed to increase the alkalinity of diluted applications, providing sustained efficiency in a cost-saving alternative.



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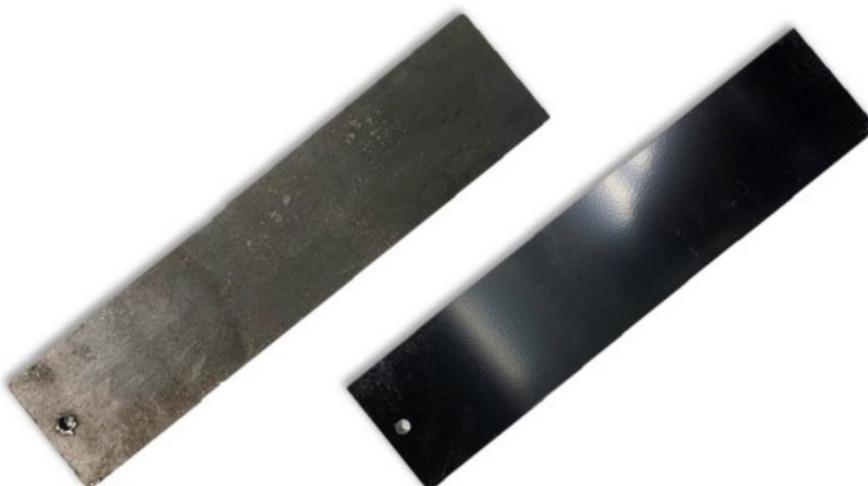
Executive Summary

- Aquastrip 1200 and Aquastrip BCA 10 used to increase the caustic component by 2.5x, resulting in improved performance and extended bath life.
- Cost and chemical savings was around 40%.
- Chemistry now lasts up to 7 weeks, an almost a 200% increase in longevity.

The Outcome

Hubbard-Hall was able to implement its Aquastrip 1200 and Aquastrip BCA 10 that nearly doubled the longevity of the bath, as well as increased the efficiency of the process by reducing strip rates and maintenance time. This provided a significant cost and chemical savings to an in-house operation of around 40%.

The initial cost of charging the stripping bath was reduced using Hubbard-Hall products, increased the available organics in the stripping bath by 75%. Additionally, Hubbard-Hall increased the caustic component by 2.5x. Overall, the weekly chemical cost was reduced from \$1,500 to just about \$950. In addition, there was increased productivity and capacity as strip times have been reduced by about 30% .



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