



# HOW TO REDUCE THE ABRASIVE CONSUMPTION WITH SIMILAR PROFILE REQUIREMENTS, HIGHER PEAK COUNT AND REDUCE BLAST MACHINE WEAR ?

## #1



### Context

Our client is one of the largest rebar coating companies in North America. They have four coating locations throughout the U.S. and Canada. This customer is looking to increase the performance of their blasting and coating processes. The main point of focus has been the rebar epoxy-coating line, which was working with a 50/50 mix of GL25/GL18.

## #2



### Actions

- ✓ A Technical team member conducted an on-site process audit.
- ✓ Custom training sessions were given to the company's maintenance team, with a focus on Cost Effective Blast Cleaning.
- ✓ Our sales team introduced GB hardness of 18 and 25 grit.
- ✓ With the WA Technical team support, a three month trial was conducted in real conditions.
- ✓ WA Cost results were presented to the company's Plant and Coating Managers in order to confirm the results achieved during the onsite trial.

## #3



### Results



Chloride reduction from 3% to trace amounts less than 1-2%



Backside contamination decrease from 10-15% to 2-10%



**- 11%**  
on abrasive consumption



**+ 8%**  
increase in peak count from 120 to 130



Maintained minimum required profile of 2.2 mils.

