

Success Story



Thieman Tailgates

Learn how Baril Coatings worked with Celina, Ohio based Thieman Tailgates to significantly improve manufacturing efficiency and long-term product performance.

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Sustainable Coating Solutions



About

Thieman Tailgates, Inc. produces and markets hydraulic lift-gates for light, medium, and heavy-duty trucks and trailers. It offers railgates, stowaway lift-gates, side-loaders, conventional lift-gates, and pickup/service body lift-gates. Founded in 1960, Thieman Tailgates changed its name from Watson in 1987. The company is based in Celina, Ohio with locations throughout the United States.

Background

Thieman Tailgates was sustaining rapid growth and began realizing capacity issues within its existing metal finishing line. In addition, slow dry-times on recently painted products caused production bottlenecks and storage issues that often necessitated paint touch-ups prior to shipment. Thieman Tailgates made the decision to invest in a new finishing solution that would increase production efficiency and improve long-term product performance by incorporating advanced steel coating technology.

Thieman enlisted Baril Coatings to assist with the design of a new state-of-the-art 25,000 square feet metal finishing line that could also incorporate Baril's high performance (and fast-drying) DualCure™ industrial coatings. This new addition was to be constructed next to the existing line so as to eliminate any manufacturing downtime.

Project details

Rick Wood, Baril's Director of Technical services and 40-year paint equipment veteran advised Thieman Tailgates in the design, layout and equipment specification for the new facility. Baril was instrumental in the overall design and engineering of a new Graco 2KS proportioning system, associated pumps and liquid transfer piping apparatus in the new paint kitchen. Once installed, the equipment package was precisely calibrated for maximum transfer efficiency for Baril Dual-Cure™ protective coatings.

	Previous	New
surface prep	automated abrasive blast	updated automated abrasive blast
booth layout	one paint booth with overhead conveyor	new primer and finish spray booths with overhead conveyor
paint equipment	Diaphragm pump with HVLP guns	new Graco 2KS proportioning spray equipment system
coating	Competitor solventbased air-dry primer and top-coat	Dual-Cure™ 200 primer and Dual-Cure™ 174 Polyaspartic Top-coat



Results

Production Increase:	Production increase of over 100%
Labor Savings:	Reduced from two 10-hour shifts to one 10-hour shift per day
Dry Time:	Reduced from 2-4 days to finish offload to 4-5 hours
Gloss Retention:	Equivalent Gloss Retention improved from less than 3 months to 4-5 years
Corrosion Protection:	Equivalent corrosion protection increased from less than 500 hours to more than 2000 hours

