

# Duplex Coating

Intensified protection with bold color options



## Corrosion protection extended up to 2.3 times longer

AZZ Surface Technologies' duplex coat system combines hot-dip galvanizing and powder coating or wet coating to provide an additional barrier against corrosion, significantly extending the life of application-critical components while enhancing aesthetics or compliance with safety codes. The synergistic combination of the two processes extends corrosion protection up to 2.3 times longer than either method used independently.

- Durable protection for parts measuring less than an inch to components up to 60 feet in length
- Comprehensive coverage for complex and detailed designs
- An array of color and texture options for aesthetics and compliance with safety codes

Using the two coatings in tandem extends the service life and extends the maintenance cycle. This extended maintenance cycle results in significant cost savings over the life of the project. AZZ's duplex coating generates an excellent return on investment.

## A collaborative partner to meet your production needs

A leader in hot-dip galvanizing and powder coating and wet coating services, AZZ is equipped to be your single source for duplex coating for substrates and structures, offering durable protection in bold color options.

Our Crowley, Texas facility has both galvanizing and powder coating in the same location allowing the opportunity to provide a duplex coating on parts up to 60 feet in length.



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## Highly automated operations and fast turnaround for consistent on-time delivery

AZZ Surface Technologies operates a network of facilities serving North America, which have earned a significant number of certifications and accreditations for meeting the stringent quality standards of the industries we serve.

We have earned the following certifications:

- **AS9100** (aerospace quality management)
- **Caterpillar** (heavy equipment)
- **General Dynamics** (aerospace and defense)
- **ISO** (quality management)
- **NADCAP Quality** (aerospace and defense)
- **PACCAR** (automotive)

With multiple, state-of-the-art facilities, AZZ has the capacity and capabilities to meet your needs, seamlessly integrating into your supply chain. With highly automated operations and extensive expertise, we are equipped to meet large-scale production demands, ensuring fast turnaround times and on-time deliveries.

## Ensuring a quality, consistent finish

Surface preparation is critical to attaining a high-quality finish. The key to a successful duplex system is to properly prepare the galvanized surface for paint or powder. AZZ Surface Technologies ensures proper surface preparation following ASTM D6386 and ASTM D7803 industry specifications. In addition, AZZ has extensive expertise in sandblasting, which efficiently and effectively smooths rough edges and repairs surface blemishes. Our sandblasting capabilities extend to parts as large as 40 feet in length, and our quality control measures, in accordance with our ISO 9001 certification, ensure an optimal surface for comprehensive and consistent coating.

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