

# Stalgard® High-Performance Protective Coatings



Provide consistent, high corrosion resistance in construction applications

Stalgard® durable, multilayer, corrosion-resistant coatings are engineered to provide optimal performance in demanding construction applications. These environmentally-friendly finishes are free of chromates and silicates and any process, like electroplating, that might induce hydrogen embrittlement, preventing structural failures.

- Maximizes fastener performance
- Salt spray at 1000+ hours with no red rust per ASTM B117
- Uniform thickness
- Low coefficient of friction – eliminates the need for post-coating lubricants to ease installation
- Does not use processes that introduce hydrogen – will not cause brittle failures like those caused by electroplating
- Durable tough finish – doesn't come off during handling or repeated installations
- Eliminates the plating process, resulting in a more environmentally-friendly product than those with plated zinc or other finishes



**RoHS compliant** (chrome-free)



## Types of Stalgard® Corrosion-Resistant Coatings

- **Stalgard® Coating for High-Hardness Case and Induction Heat-Treated Fasteners** is cured at a low temperature so the hardness of the fasteners will not be affected
- **Stalgard® Standard (AS) Class 4 Coating** for construction fasteners and others requiring a durable coating greater than 2000 hrs salt spray testing (SST). Coming soon!



## Applications

- Self-drilling and self-tapping fasteners
- High-hardness (Rc52) fasteners
- Fasteners used in ACQ-treated lumber
- Fasteners used in moderate marine environments

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## Stalgard® Coating for High-Hardness Case and Induction Heat-Treated Fasteners

**Application:** Drill and tapping fasteners requiring a corrosion-resistant finish that does not affect hardness or self-drilling capability

### Features & Performance Specs:

- Product diameter range: #8 and larger
- Salt spray resistance: 1000 hours with no red rust per ASTM B117
- Available Pantone® colors: silver, black, blue, white, yellow, red, and brown
- Pantone® gray available for ACQ-treated lumber
- Semi-gloss color tones with good adhesion characteristics
- Uniform thickness
- Compatible with internal recesses
- Will not cause hydrogen embrittlement failures
- RoHS compliant (chrome-free)
- Maintains drilling performance of self-drilling fasteners (Rc 52 min.)
- Maintains tapping performance of case and induction hardened thread-forming fasteners (Rc 52min)

### Benefits:

- Durable tough finish – doesn't come off during handling or repeated installations
- Low coefficient of friction
- Clean and dry – no oily residue

## Stalgard® AS Standard Class 4 Coating

**Applications:** Moderate marine environments

### Features & Performance Specs:

- Product diameter range: #8 and larger
- Available Pantone® color: silver
- Semi-gloss color tone with good adhesion characteristics
- Uniform thickness
- Sulfur dioxide corrosion DIN 50018 SFW 2.0S for fifteen 24 hour cycles
- Salt spray resistance: 2,000 hours with no red rust per ASTM B117
- Humidity per ASTM D2247 for 1,000 hours
- UV with humidity per ASTM G154 for 2,000 hours
- Will not cause hydrogen embrittlement failures
- RoHS compliant (chrome-free)
- Maintains drilling and tapping performance of case and induction hardened fasteners (Rc 52 min.)
- Available soon

### Benefits:

- Durable tough finish – doesn't come off during handling or repeated installations
- Low coefficient of friction
- Clean and dry – no oily residue

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