

ACU[®] High-Performance Protective Coatings

Optimize fastener performance in commercial and industrial applications

The ACU family of modified acrylic, multilayer, dry-to-the touch coatings is engineered to provide optimal performance in a wide variety of applications in all markets. Each durable, corrosion-resistant variation is designed to meet specific needs. These environmentally-friendly, superior color finishes are free of chromates and silicates. They are also free from any process that might induce hydrogen embrittlement. These low-friction coatings also allow consistent torque-tension relationships without the use of post-coating lubricants.



- Maximizes fastener performance
- RoHS compliant (chrome-free)
- Available in semi-gloss, Pantone[®] colors with a smooth, satin finish
- Low friction – eliminates the need for post-coating lubricants
- No introduced hydrogen – will not cause hydrogen embrittlement 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 eco-friendly product than those with plated zinc or other finishes



Types of ACU Corrosion-Resistant Coatings

- **ACU Coat Standard** is a modified acrylic, multi-layer coating that delivers optimum performance in lubricity, corrosion resistance and color consistency.
- **ACU Conductive Coating** has electro-conductive qualities equal to or greater than zinc clear trivalent chromate. Since it is not electroplated, it won't cause brittle failures.
- **ACU 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.

ACU Coat Standard

Applications: All fasteners requiring high corrosion-resistance and a durable, tough, dry-to-the-touch finish with low friction

Features & Performance Specs:

- Product diameter range: M1.2 and larger
- Salt spray resistance: 96, 144, 250, 500 or 1000 hours (per ASTM B117)
- Available in a wide range of Pantone[®] colors, including silver, gold, black, blue, white, yellow, red, green and brown
- Pantone gray available for ACQ-treated lumber
- Semi-gloss color tones
- Uniform thickness
- No introduced hydrogen -- will not cause brittle failures from electroplating
- RoHS compliant (chrome-free)
- Compatible with internal recesses

Benefits:

- Good paint adhesion characteristics (heat cure method)
- Durable tough finish (doesn't come off during handling or repeated installations)
- Low friction
- Compatible with plastics
- Clean and dry – no oily residue



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ACU Conductive Coating

Application: All fasteners requiring a conductive finish (non-electroplated) to create a ground between components

Features & Performance Specs:

- Product diameter range: M1.2 and larger
- Available Pantone® colors: Silver
- Salt spray resistance: 96 hours min.
- Semi-gloss color tone
- Uniform thickness
- Compatible with internal recesses
- No introduced hydrogen -- will not cause embrittlement failures
- RoHS compliant (chrome-free)

Benefits:

- Zinc and clear trivalent chromate appearance
- Equal or greater electro conductive qualities than zinc clear trivalent chromate
- Durable tough finish – doesn't come off during handling or repeated installations
- Low friction
- Compatible with plastics
- Clean and dry – no oily residue

ACU® Coating for High-Hardness Case & Induction Heat-Treated Fasteners

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

Features & Performance Specs:

- Product diameter range: M2 and larger
- Salt spray resistance: 96, 144, 250, 500 or 1000 hour (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
- Uniform thickness
- Compatible with internal recesses
- Good paint adhesion characteristics (heat cure method)
- No introduced hydrogen -- will not cause embrittlement failures
- RoHS compliant (chrome-free)
- Maintains drilling performance of self-drilling fasteners (Rc 52 min.)
- Maintains tapping performance of induction and case hardened thread-forming fasteners (Rc 52 min.)

Benefits:

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



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