

Technical Document: 013012

## COATING COMPARISON

Coating	Salt Spray*	Kesternich	Application
Black Oxide	24 hrs.	N/A	Used indoors for dry, non-corrosive applications.
Black Phosphate	48 hrs.	N/A	Used indoors for dry, non-corrosive applications.
Clear or Yellow Zinc	24 hrs.	N/A	Used indoors for dry, non-corrosive applications.
Yellow Zinc - .0003	180 hrs.	N/A	Used indoors and outdoors for dry, non-corrosive applications.
Dacrotized®	500 hrs.	N/A	Used outdoors for medium corrosive applications.
Ruspert®	1,000 hrs.	N/A	Used indoors and outdoors for high corrosive applications.
WAR®	1,000 hrs.	N/A	Used outdoors for high corrosive applications. ACQ compatible.
Strong-Shield®	1,000 hrs.	15 Cycles	Used outdoors for high corrosive applications. Acid rain protection. ACQ compatible.
410 Stainless Steel	N/A	N/A	Used outdoors for medium corrosive applications. ACQ compatible.
305 Stainless Steel	N/A	N/A	Used outdoors for high corrosive applications. ACQ compatible.

## COATING DESCRIPTION

**Black Oxide:** A conversion coating used to add mild corrosion resistance and for appearance.

**Black Phosphate:** A conversion coating used to add mild corrosion resistance and for lubricity.

**Clear or Yellow Zinc:** A coating that is applied electrically to fasteners that prevents oxidation of steel by forming a protective barrier.

**Yellow Zinc - .0003:** A coating that is applied electrically to fasteners that prevents oxidation of steel by forming a protective barrier.

**Dacrotized®:** An immersion zinc flake/chromate dispersion coating with medium corrosion protection.

**Ruspert®:** A high-grade metal surface processing technology that prevents corrosion. The coating system consists of three layers: a metallic zinc layer, a high-grade anti-corrosion chemical conversion film, and a baked ceramic surface coating.

**WAR®:** A high-grade metal surface processing technology that prevents corrosion. The coating system consists of three layers: a metallic zinc layer, a passivation, and a high-grade anti-corrosion chemical conversion film.

**Strong-Shield®:** A high-grade metal surface processing technology that prevents corrosion. The coating system consists of four layers: a metallic zinc layer, a passivation, a layer of functional nano coating used as a sealer, and a high-grade anti-corrosion chemical conversion film.

**410 Stainless Steel:** A low-carbon grade of hardenable stainless steel. Good corrosion resistance in mild atmospheres.

**305 Stainless Steel:** A nickel-chromium grade of stainless steel that has a high resistance to corrosion.

\*(Tested in accordance with the American Society of Testing Materials - ASTM B 117)