

Electro-galvanized Steel Sheet with an Acrylic Chrome Anti-fingerprint Coating

The zinc layer is coated with a second generation multifunctional Thin Organic Coating (TOC) that greatly enhances the surface durability and functionality of the sheet product for subsequent handling, processing and manufacturing operations.

Technical and Economical Advantages

- Excellent Corrosion Resistance
- Low Friction Coefficient
- Excellent Formability
- Exceptional Anti-fingerprint Quality
- Good Weldability
- No Volatile Organic Compounds
- Excellent Paintability
- High Adhesion with Polyurethane Foams

The zinc – acrylic chrome coating combination offers excellent corrosion resistance and formability. Despite the low level chromium content, ECT-AF provides excellent corrosion resistance while also being more environmentally friendly than the first generation acrylic coated products offered by the surface finishing industry.

The acrylic coating is applied by roll the coat method which allows precise application control and is recognized by the USEPA as being one of the most efficient and environmentally friendly transfer methods used in the industry.

The acrylic chrome coating is applied at a total product weight of 55 to 150 mg/ft² with a chromium content of 1.0 to 2.0 mg/ft².

ASTM B117 Neutral Salt Spray results of 140+ hours to white rust have been obtained. Corrosion performance varies with the acrylic coating thickness deposited on the substrate.

Anti-fingerprint quality is obtained through the sealing effect provided by a performing polymer in the acrylic component of the coating.

A proprietary lubricity agent incorporated into the acrylic coating produces a low surface friction coefficient that allows some forming operations to reduce or eliminate coolant lubrication in the forming process.

**ECT-AF is compatible with many post painting and adhesive applications, however each application should be evaluated prior to production.*