



Power-Gold™ Finish

Industry Standard Yellow Dichromate

Power-Gold™

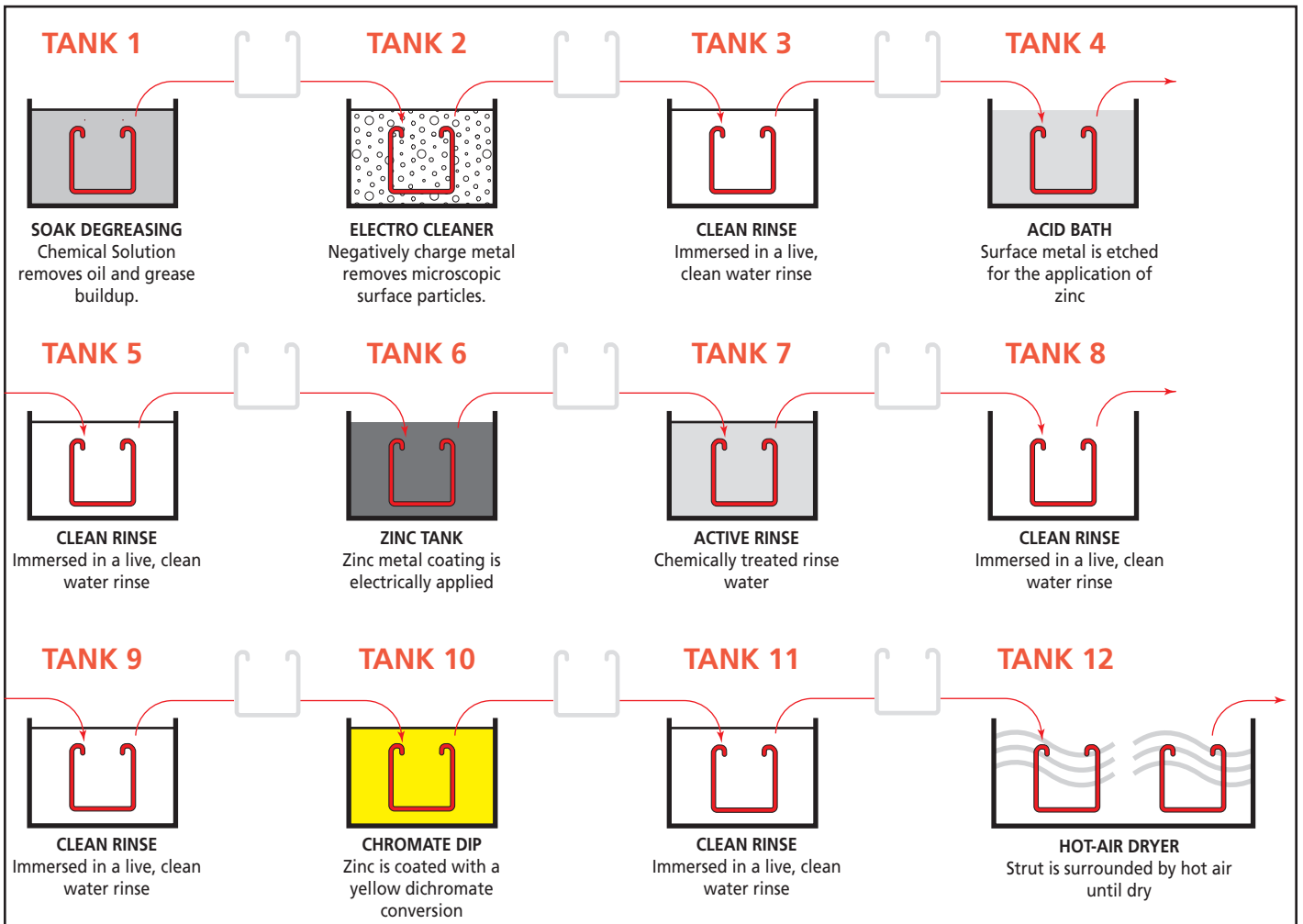
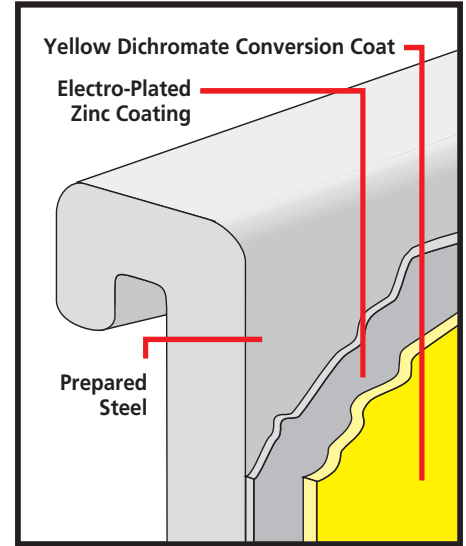
Power-Gold is a yellow dichromate finish applied over an electro-galvanized zinc plating, and is totally compatible with the aesthetics and performance of yellow dichromate finishes used on other brands of metal framing. It is ideal for retrofit to projects and end-uses that have standardized on the "Gold" finish.

A .5 mil electro-galvanized zinc plate is applied with a cohesive molecular bond to the steel base metal, in compliance with the ASTM B633 standard. Yellow Dichromate is applied over the zinc and results in a gold appearance

which acts as a nonporous barrier sealant.

This finish provides a surface which inhibits early white rust and can act as a primer surface for painting.

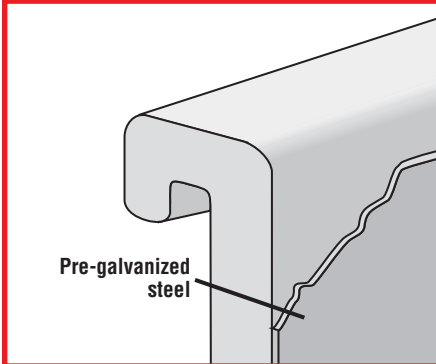
It should be noted that the long-term corrosion resistance of zinc is directly proportional to thickness. Industrial grade finishes are available with heavier zinc finishes for ultimate long-term protection. See the reverse side for Power-Strut finishes that meet



Other Power-Strut Finishes

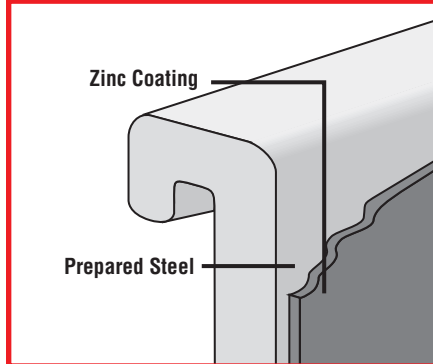


Pre-Galvanized



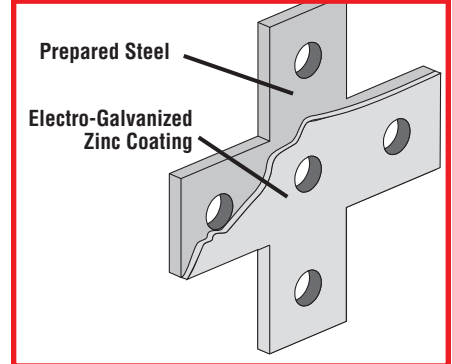
PRE-GALVANIZED - Material (steel strip) is coated with zinc by hot-dip process prior to roll-forming or press operations. The zinc coating weight is G90 conforming to ASTM Specification A653 GR 33.

Hot Dip Galvanized



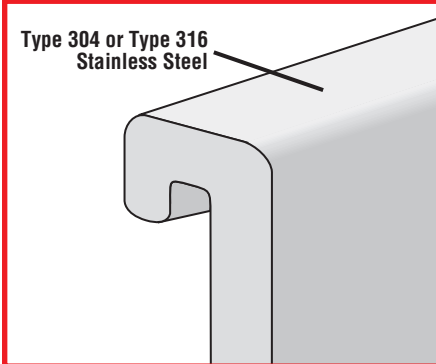
HOT-DIPPED GALVANIZED - Material is coated with zinc after being roll-formed or after all manufacturing operations are completed, conforming to ASTM specification No. A123 or A153.

Electro-Galvanized



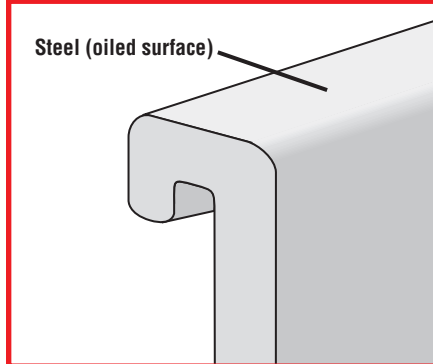
ELECTRO-GALVANIZED- Fittings and hardware are coated with zinc electrolytically to commercial standards (ASTM - B633 Type III C1).

Stainless Steel



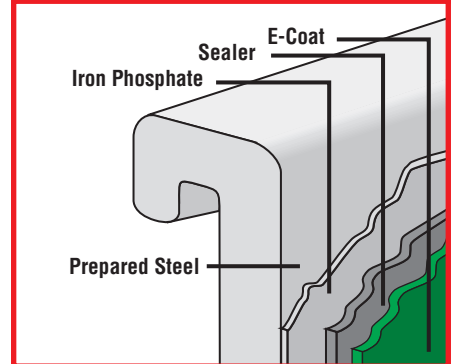
STAINLESS STEEL - Material in accordance with ASTM A 240 (Type 304 or type 316).

Plain



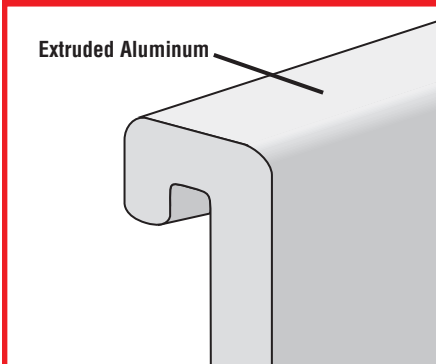
PLAIN - Plain finish designation means that the channel retains the oiled surface applied to the raw steel during the rolling process. The fittings have the original oiled surface of the bar-stock material.

POWER-GREEN®



POWER-GREEN® - Channel and parts are cleaned and phosphated. Immediately afterward, a uniform coat of rust-inhibiting acrylic enamel paint is applied by electro-deposition and thoroughly baked.

Aluminum



ALUMINUM - Extruded aluminum (ASTM B221 Type 6063-T6)

COMPARISON OF ZINC GALVANIZED FINISHES

Finish	Zinc Thickness
Hot Dip Galvanized	2.6 MIL
Pregalvanized	.75 MIL
Electro-Galvanized	.2 to .5 MIL



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POWER-STRUT® Power-Green™ coating

What it does...

Power-Strut's Power-Green far exceeds the corrosion protection of conventional finishes. And compared to competitive "high-performance" coatings, Power-Green provides superior resistance to chalking, checking, and fading and is far less vulnerable to common acidic atmospheres, solvents and alkalis.



What it doesn't do...

Just as important, Power-Green is the result of an environmentally neutral process that virtually eliminates the toxic metals commonly found in competitive paint-based finishes. The special baked-acrylic finish does away with undesirable "heavy metals" and does not outgas in service as do other paint finishes, thus preventing introduction of airborne trace contaminants.

Data

Cleaning Method.

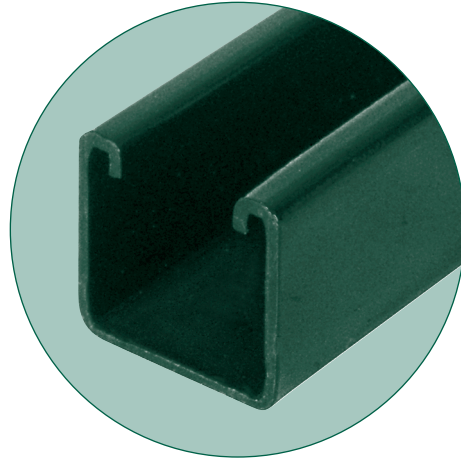
Channel and parts are carefully and thoroughly cleaned in a system designed specifically for Power-Strut products — the first step necessary for paint adhesion.

Phosphate Coating.

After cleaning, material is phosphated. Phosphating converts the steel surface to a non-metallic phosphate coating, adapted to inhibiting corrosion and increasing the adhesion and resultant durability of the paint finish (Federal Specification No. TT-C-490 Type I or II).

Painting Method.

Immediately after phosphating, a uniform coat of a modified acrylic paint containing highly effective rust inhibiting pigments is applied by electrodeposition and baked until completely cured. The electrodeposition process is superior to all others in its ability to apply a uniform



thickness of film to the entire surface, including edges, holes, etc.

Paint Color.

Color conforms to Federal Standard 595-a, color number 14109 (Dark Limit V-).

Durability Standards.

Film Thickness – .0006" to .0009"	ASTM test Method D1186
Hardness – H to 2H	D3363
Cross Hatch Adhesion – No Flaking	D3359
Solvent Resistance – 100 Double Rubs	
Humidity Resistance – 1000 hours	D2247
Salt Spray Resistance – 400 hours scribed, 600 hours unscribed	B117

Note:

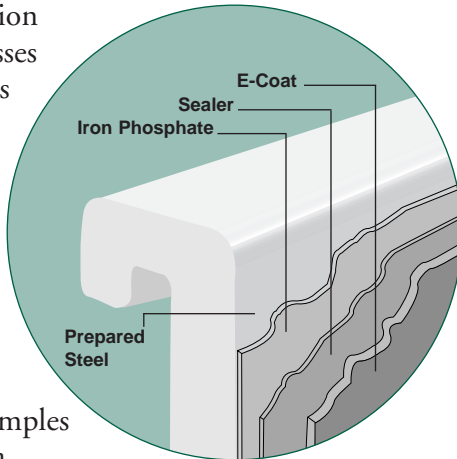
"Power-Green" finish may be field painted. Please consult with your local Power-Strut Representative for further information.

POWER-GREEN™

The Power-Green™ process

Power-Strut® Power-Green is a factory-applied, electrodeposition acrylic coating with superior rust protection and fade-resistance. The acrylic coating is a proprietary formulation that provides a smooth, hard, durable surface.

Before the electrodeposition acrylic coating is applied, Power-Strut channel and fittings are thoroughly cleaned and coated with iron phosphate conversion coating. Power-Strut's unique, custom-designed "prep" process consists of eight separate steps, the most thorough in the industry. The cleaning, phosphating and electrodeposition coating processes are continuous and, unlike "batch" processing, result in a uniform quality coating.



Production samples are tested on a continuous basis for corrosion resistance. Power-Strut Power-Green exceeds 400 hours salt spray (1/8" creep from scribe) when tested to ASTM B117. Unscribed samples exceed 600 hours salt spray.

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ATC-L-1578-1

**You'll love it
for what it
does...**

**...and for
what it
doesn't do.**