



# Pretreatment and electrocoat systems



## Outstanding protection for bulk fasteners

Since helping to pioneer anodic electrocoat in 1963, PPG has been at the forefront of every advancement in the use of e-coat technology, creating a standard of performance recognized the world over. We provide a broad, sophisticated range of high-quality products, all backed by knowledgeable and experienced technical and support personnel.

Our ELECTROPOLYSEAL® systems offer excellent corrosion protection, outstanding adhesion and precise torque control in a range of performance options. Each system includes zinc- or zinc-nickel plating and/or a zinc-phosphate pretreatment that is finished with PPG POWERCRON® XP high-edge electrocoat.

### Product Benefits

- Will not fill recesses or threads
- No part-to-part sticking
- Options for 240-2,000 hours of salt spray resistance
- Chip and impact resistant
- Chemical resistant
- Specifically formulated without chrome or lead
- Listed/registered on AICS, DSL, IECSC, REACH, KECI, NECSI and TSCA
- Wide color selection

### Segments

Automotive

Construction

General Industrial















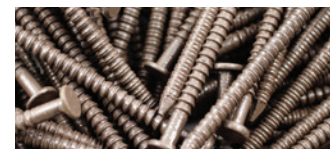


Product Characteristics	Electropolyseal V	Electropolyseal IV	Electropolyseal III
Technology	Epoxy or acrylic	Epoxy or acrylic	Epoxy
Coating Stages	Zinc or zinc-nickel plating Zinc phosphate Powercron XP e-coat	Zinc-rich basecoat Zinc phosphate Powercron XP e-coat	Zinc phosphate Powercron XP e-coat
Coating Thickness	25-35 microns	25-35 microns	18-25 microns
Approvals and Compliance	Nordtest Class 4 (NT MAT003) ASTM G85 Annex 5	N/A	Ford S451 GM 6047M Code G

Performance Properties			
Salt Spray Resistance (ASTM B117)	1,000-2,000 hours	600-1,500 hours	240-500 hours
Accelerated Cyclic Corrosion (SAE J2334)	90-120 cycles	60-90 cycles	30 cycles
Humidity Resistance (ASTM 1735)	1,000+ hours	1,000+ hours	500 hours
Chemical Resistance (ASTM D1308-02R13)	Good	Good	Good
Torque Characteristics (ISO 10647)	Excellent	Excellent	Excellent
Chip Resistance (SAE J400)	Very Good	Very Good	Very Good

Available colors\*

-  Black
-  Brown
-  Green
-  Gray
-  Tan
-  Dark Green
-  Silver
-  Gold
-  Blue
-  Gold Metallic
-  Sandstone
-  Redwood



\* All colors are coated in Taiwan. Black is also available in the U.S.

The color chips in this brochure cannot be considered totally accurate color matches, and are not to be used as approved standards. This document contains general information only and should not be construed as creating any warranties, express or implied. Please contact a PPG representative for additional information.

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