

EF-SERIES™

Functional Epoxy Powder



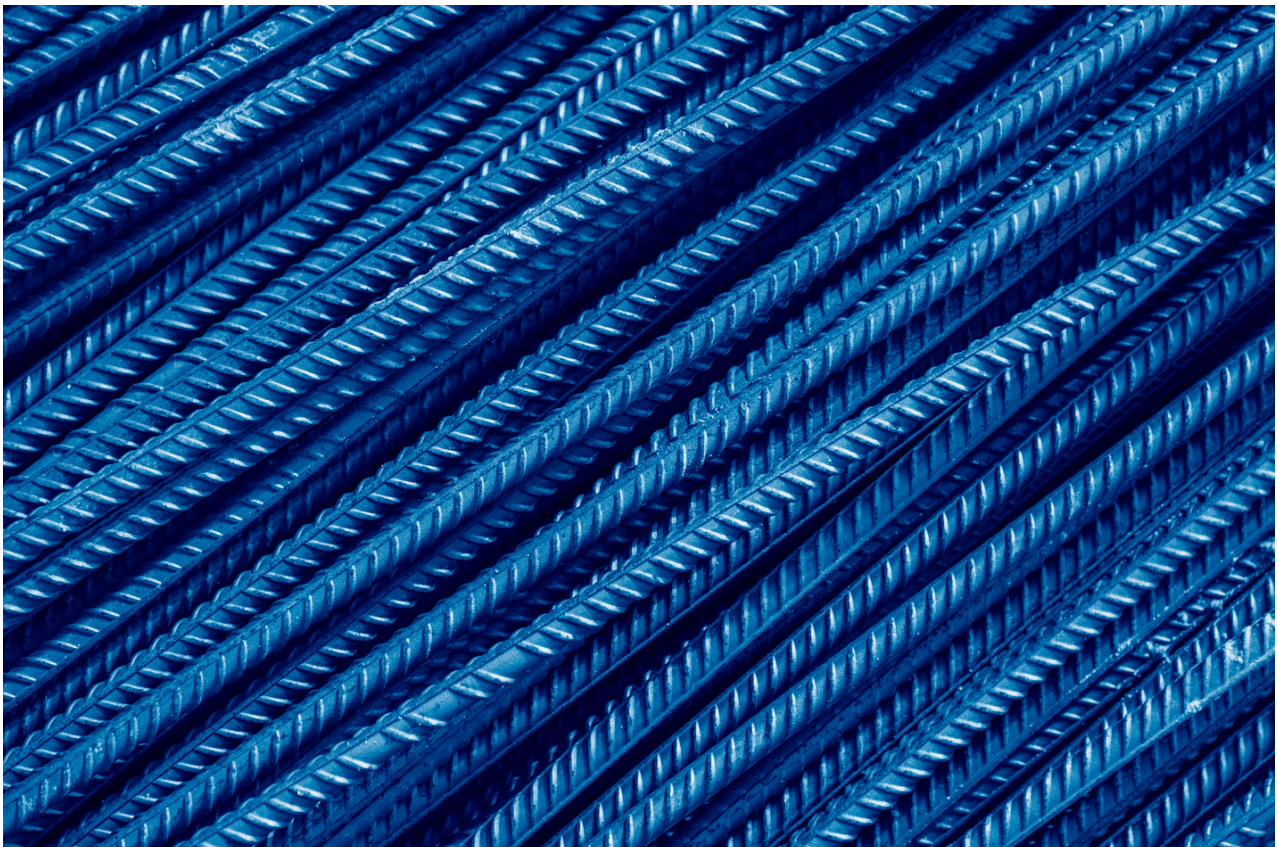
EF-SERIES™ is a premium line of epoxy powder coatings from the Protech Group, engineered for exceptional corrosion and chemical resistance. Suitable for architectural, industrial, and offshore environments, these coatings offer a durable, flexible finish with excellent adhesion and resistance to delamination and cathodic disbandment. EF-SERIES™ powders can be used as a single protective layer or as a base coat in multi-layer systems, delivering long-lasting protection in even the harshest conditions.

BUILT FOR EXTREME CONDITIONS

EF-SERIES™ complies with ASTM 775-86 and ASTM 775-89 and has received approval from the U.S. Federal Highway Administration for use as a protective coating on shotblasted reinforcing bars. This series is also an excellent choice for metal packaging in the cosmetic, pharmaceutical, chemical, and food sectors. The powders are entirely impermeable, ensuring that the metal packaging does not interact with its contents. EF-SERIES™ coatings are 360° powders, allowing for uniform application across the entire inner surface of the substrate. These inert powders meet the standards set by global regulatory bodies, including the FDA, and exhibit outstanding abrasion and chemical resistance.

PROVEN PERFORMANCE

- Superior resistance to cathodic disbondment and delamination
- Ideal as one-coat pipe protection or as a base for a three-coat application
- Excellent chemical and abrasion resistance
- Excellent adhesion to steel and other potentially oily metallic substrates
- Ideal application for concrete reinforcing bars and pipes
- Highly flexible
- Meets ASTM 775-86 and ASTM 775-89
- Approved by the U.S. Federal Highway Administration for the protective covering of shot blasted bars
- Inert coatings compliant with global regulatory agency (e.g. FDA) requirements for direct contact
- Consistent smooth 360° finish
- Totally impermeable coating



APPLICATIONS

- Pipes
- Rebars
- Valves
- Flexible metal tube packaging
- Potable water systems
- Cosmetic packaging



TECHNICAL PROPERTIES

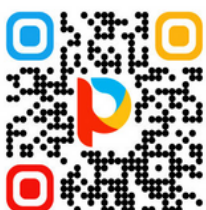
Below are some key technical properties of our functional epoxy powder coatings. For full specifications and performance details, please contact us to request the technical data sheet.

PRE-TREATMENT	For steel and aluminum: Phosphating or Zirconium or other suitable surface treatment
APPLICATION CONDITIONS	Electrostatic powder spray 40 to 100 kv
FILM THICKNESS	For normal usage 1.5 to 4.0 mils (color and finish type related)
SPECIFIC GRAVITY	1.2 to 1.75 (color related)
COVERAGE	160 to 110 ft ² / lbs / mil at 100% efficiency (color related)



FORMULATING THE RIGHT MIX.

Since 1976, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



info@theprotechgroup.com
www.theprotechgroup.com
1-800-361-9364



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