

PRODUCT PAINT AND FINISH

REXA Electraulic[™] actuators are often used in the most demanding applications any industry has to offer. In many cases, these applications are inside and protected from the elements. While in others, REXA actuators may be exposed to severe environmental conditions. In these applications, some consideration must be given to the paint or finish used to protect the actuator.

REXA actuators are self-contained electro-hydraulic systems. In order to provide a durable, but affordable system, REXA uses some commercially available components within its systems. As a result, our systems include a variety of different materials and finishes that offer varying degrees of protection. As a minimum, each component is designed and produced in order to meet the requirements of environmental zones 1A, 1B and 2A as defined by *The Society of Protective Coatings*. Zones 1A and 1B are defined as normally dry interior or exterior (includes normal weather conditions such as rain, sleet and snow). Zone 2A includes those areas that are frequently wet (condensation, splash, etc...) by fresh water. In other words, most average industrial environments.

STANDARD MATERIALS AND FINISHES OF MAJOR COMPONENTS:

Power Module – hard anodized aluminum, no paint

Linear Cylinders (REXA block type) – hard anodized aluminum, no paint

Linear Cylinders (commercial type) – steel, water-borne acrylic

Rotary Cylinders (commercial type) – steel and ductile iron, polyamide epoxy with a polyurethane enamel topcoat

Mounting Hardware – steel, water-based acrylic enamel

SEVERE ENVIRONMENTS

Special consideration must be given to environments with the following factors:

- Frequently wet by salt water; includes humid marine/coastal areas
- Sustained immersion in either fresh or salt water
- Exposure to corrosive chemicals

Areas such as these require specialized coating systems to provide extended protection for industrial equipment.

TNEMEC - SERIES N69F, HIGH BUILD EPOXOLINE II

REXA offers this overcoat system for additional protection in severe environment applications. This polyamidoamine epoxy system is applied at 3-4mils (DFT) on top of the standard finish. It will be applied to all steel and iron surfaces on units as full or partial assemblies based on unit size. Anodized aluminum and stainless steel do not require this additional protection to prevent corrosion. Please refer to the manufacturer's web site regarding questions of chemical compatibility for specific installations:
<http://www.tnemecc.com/product/overview/?p=37&st=chem>.