



INDUSTRIAL CHEMICALS

Pretreatment Engineered for the Paint and Powder Coating Industries

PRETREATMENT

Ronatec has a full line of multi-metal safe cleaners that meet your toughest cleaning requirements - stubborn oils, grease, carbon-based soils, fatty acid soils, waxy corrosion inhibitors, and light corrosion, in other words, to clean the most tenacious soils. Our products are designed for use in multi-stage spray systems, agitated immersions, soak tanks, and belt washers for any application. New technology low temperature cleaners have been developed that can be used in most applications to reduce energy costs without sacrificing cleaning results. These cleaners are effective in multi-stage spray washers at significantly lower temperatures than those typically found in most paint pretreatment washers, typically between 90 and 150°F, depending on soil levels and type.

They are an excellent choice when two rinse stages are available prior to applying our inorganic conversion coating products. Neutral pH cleaners are an ideal choice when cleaning light soils or for a cleaning boost to cleaner-phosphate tanks. These cleaners are based on surfactants that are designed to “lift” the soils off the parts without using aggressive caustic cleaners. That makes them more environmentally friendly, while at the same time making them safer for the operators than conventional cleaners. Innovations such as low conductivity cleaners, neutral pH cleaners and rust removers will increase your plant safety without adversely effecting productivity.

CONVERSION COATINGS (PHOSPHATE AND INORGANIC)

Ronatec is recognized as an industry leader in pretreatment technology through products such as our I-Phos and RoKote lines, designed for ferrous and non-ferrous metals and provide outstanding corrosion resistance and enhanced paint adhesion. These product lines are designed for multi-stage washers ranging from 2 stage and up. Some of our conversion coatings are preceded by a cleaner followed by rinse, while some of our other products are used as a cleaner/coater in the same stage.



Inorganic Conversion Coatings

Formulated to replace traditional iron phosphate, these products require no or very little heat to deposit an inorganic conversion coating. These types of coatings provide a microcrystalline surface in the nanometer (10-9m) range and require a short contact time of 15 to 30 seconds. The “nanocrystals” formed increase the surface area of the substrate thus enhancing paint adhesion, corrosion protection and consequently salt-spray results. These inorganic conversion coatings do not require a non-chrome post treatment seal to achieve high performance adhesion, under film corrosion and salt-spray resistance. These new technology coatings contain no regulated heavy metals and eliminate phosphate from the process. Sludge is also reduced to a minimum while waste treatment costs and other effluent issues are greatly diminished. Rinse water consumption is also minimized because of the lower amount of total dissolved solids present in these new coating baths.

Iron Phosphate

The I-Phos and Ronaphos product line of iron phosphates is very diverse and well proven. We have products that contain a single accelerator and products that utilize the synergy generated when using one of our proprietary multi-accelerated packages. In many cases our products, when used in conjunction with our PhoSeal rinses and a top-quality paint/powder, have been proven to provide over 1000 hours of salt spray resistance.

Zinc Phosphate/Manganese Phosphate

The I-Phos and Ronaphos product line is designed to provide a uniform zinc phosphate structure. This product line is capable of meeting the most stringent corrosion resistance and lubricity requirements. This product line provides a range of coating weights from fine grain to heavy grain coatings on ferrous and nonferrous metals, meeting all applicable specs.

Final Seals & Rinses

We have a full line of final seals and rinses to accommodate and complement any conversion coating process. Whether you are using an iron phosphate or an inorganic conversion coating, we have a sealer to eliminate flash rust, enhance paint adhesion and increase corrosion resistance (salt spray results). Ronatec Sealers consists of a variety of products including alkaline, amine, solubilized metal, and polymer blends.

Complimentary Products

Ronatec manufactures a line of auxiliary service tools such as pH adjusters, cleaner booster additives for all types of cleaners, solvent additives, wetting agents and various pre-treatment products.