



RANGE OF PHOSPHATING CHEMICALS

Trust the leader in surface finishing



Phosphating has multiple applications as paint base coatings and in tube drawing/wire drawing. It facilitates the drawing operation by reducing the friction, and by retaining the oil film. The whole process comprises of a range of different chemicals which involve Degreasing, Derusting, Surface Conditioning, Phosphating and Passivation.

The use of chemicals depend on the type of articles to be processed and is also based on specifications like coating weight, desired roughness value, crystal morphology etc.

Grauer & Weil has the complete gamut of chemicals and can recommend the best suitable for each application.

Salient features :-

SURKLIN 101 series - Degreasing :

- | Chemicals free from caustic and with caustic
- | Biodegradable surfacetants
- | Easy to rinse, operating at low concentration and low treatment time and temperature
- | Better emulsification and saponification action
- | Longer Bath Life

SURPICKLE 501 series - Derusting :

- | Phosphoric Acid based chemicals with additives
- | Mixed acid based chemicals with additives
- | Faster removal of rust
- | Chemicals operating at ambient temperature and elevated temperature

Surcon 301 Z, Surcon 321 Mn series - Surface Conditioners :

- | Surface conditioning chemicals for zinc phosphate
- | Surface conditioning chemicals for Manganese Phosphate
- | Better bath stability
- | Helps in getting Uniform, compact and dense crystalline phosphate coating

Iron Phosphating - Surfix Fe series, Zinc Phosphating Surfix Zn series, Manganese Phosphating - Surfix Mn series - Phosphating :

- | Iron, zinc and manganese phosphate chemicals
- | Chemicals operating at ambient temperature, low temperature and elevated temperature
- | Lesser and soft sludge generation
- | Lesser treatment time
- | Meets IS 3618 standard
- | Dip type and Spray type chemicals
- | Dicationic, Tricationic, Calcium Modified zinc phosphate chemicals

Surseal 701 series - Passivation :

- | Chromium based and chromium free passivation chemicals
- | Effectively seals the gap between phosphate crystals
- | Improves corrosion resistance of phosphate coat

Surfix Eco 100 - Environment friendly pre-treatment process before painting :

- | Suitable for multi metal application (mild steel, galvanized steel and aluminum)
- | Operates at ambient temperature
- | No sludge generation
- | Free from VOC, BOD, COD
- | Treatment time 30 sec.-120 sec.



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