



Fluid Power Specialist



## ZINC PHOSPHATE FINISH

Lenz chose the zinc phosphate coating for weld adaptor and flanges because it offers increased corrosion resistance, as evidenced by the fact zinc phosphate withstands 240 hours of neutral salt test. The zinc phosphate coating provides a uniform, non conductive coating when combined with black pre-dip prior to phosphate being applied offers a final black matte finish. Zinc phosphate also provides a strong adhesion bonding for subsequent painting or other organic coating.

We have provided below more details about the process.

### INTRODUCTION

Surfix Zn 602 is designed to produce heavy "ZINC PHOSPHATE" coating on iron & mild steel components by simple immersion. Dense, heavy adherent coatings obtained by this process, prevents excessive wear and tear of moving parts of machinery. The non-conducting phosphate coat beneath an oil film also serves as a corrosion barrier. Coating weight of 750-2000 mg/sq.ft. is produced within 5-10 minutes. It is operated at 75-90oC. Surfix Zn 602 can be operated at 56°-70° C, by adding "Accelerator A" to the bath. In this case coating weight of 400-750 mg/sq. ft. is produced within 3-10 minutes. This coating serves as base for paint as well as for oil. Phosphate coatings produced by Surfix Zn 602 (without Accelerator A) meet the specifications of IS 3618-1966 Class A2. When it is operated with "Accelerator A" coating meet the specifications of IS: 3618-1966 Class B.

