

# Conversion Coating Process For Aluminium

**Conversion Coating Process For Aluminium** - Chem film is a chemical conversion coating primarily used to protect aluminum from corrosion. It is often referred to by its trademarked names Alodine ® , Iridite ® coating, or Yellow Iridite ® . Specifically the chemical conversion coating when used in the above processes is a chromate conversion process. Definitions. Chemical Conversion Coating removes naturally formed oxides and converts the aluminum surface to a barrier layer that impedes corrosion and promotes adhesion. Pilkington utilizes 12-stage immersion tank-line systems with carefully controlled chemistry and rinse water quality. CONVERSION COATING PROCESS FOR ALUMINIUM 1. INTRODUCTION Alodine 5200 treatment is a chromium free product and specifically formulated for treating aluminium and its alloys. Spray or immersion application may be used. The process provides an excellent base for organic finishes. 2. OPERATING SUMMARY Aluminum Conversion Coatings are non-decorative coatings applied to aluminum parts to achieve a thin, electrically conductive coating that will provide corrosion resistance. These coatings are also a great base coating for aluminum parts that require painting, as it will aid in the adhesion of the paint to the aluminum.