

## INTRODUCTION

Armourcote 3000 is an electroless nickel co-deposit containing 10-20% by volume of PTFE in a high phosphorous nickel matrix.

The deposition method is autocatalytic i.e. chemical reduction of nickel ions by hypophosphite compounds. Because the deposit is applied without an electric current its thickness is uniform on all areas.

Armourcote 3000 gives a low coefficient of friction in sliding applications. It gives low wear rates where forces are low in metal to metal contact.

## FEATURES

- Low coefficient of friction
- Suitable for use in the food industry
- Excellent adhesion to most metals

## PROPERTIES

	<b>Armourcote 3000</b>
Coating Thickness	2.5 - 15µm
Coefficient of Friction	0.1 to 0.3
Temperature Range	To 350 °C
Food compatibility	Good - if the coating is sintered at 400 °C there will be no products in the coating that are not food compatible
Chemical resistance	Can be applied where corrosion protection is needed if applied over a Electroless Nickel base layer
Bond Strength	300-400 MPa (40-60 KSI)

## APPLICATIONS

Food and Beverage, rubbers and plastics release, vibratory conveyors and drying cylinders.