

INTRODUCTION

Armourcote 4580 is an organic solvent based finish using PTFE as its lubricating media.

Used in both engineering and food industries, Armourcote 4580 gives good hardness and abrasion resistance with some lubrication.

FEATURES

- Can give improvements in wear of up to 50% compared with conventional PTFE non stick finishes
- Provides some chemical resistance
- The constituents of Armourcote 4580 all appear on the FDA positive list for use in food contact applications

PROPERTIES

	Armourcote 4580
Coating Thickness	20 - 25µm per coat
Coefficient of Friction	0.4 at 10 N Force and 0.26 at 50 N Force
Hardness	46-50 sword
Temperature Range	-80 to 230 °C
Chemical resistance	Acid resistance is very good. Solvent resistance is excellent. Caustic resistance is poor. Salt spray test to ASTM B-117 gives over 1000 hours on cold rolled steel.
Wear resistance	Can achieve improvements in wear resistance by up to 50% versus conventional PTFE non stick finishes. Improvements on top of this can be made use of stainless or molybdenum reinforcement

APPLICATIONS

Food cutting blades, saw blades, solenoids automotive components and low load bearing surfaces.