

ARMOURCOTE 4530

Product Type

Armourcote 4530 is a pure PFA (Per Fluoro Alkoxy) coating over PTFE primer to give the clear top coat a colour. The sparkle appearance is produced by the use of aluminium silicate (mica).

Characteristics

Armourcote 4530 is designed to give maximum release, few substances will adhere and those that do are easily removed. It has excellent frictional properties and its corrosion protection is superior to that of PTFE.

Coefficient of Friction

Kinetic coefficient of friction against mild steel is 0.1.

Wear Resistance

4530 has fair wear resistance but should not be used in situations where minimising wear is a priority. The reinforced system 1530 gives greater wear resistance while maintaining release.

Cryogenic Stability

Armourcote 4530 can be considered for use at temperatures as low as -240 c.

Heat Stability

Continuous performance at temperatures up to 260 c. Intermittent service is possible at temperatures up to 290 c.

Chemical Resistance

Armourcote 4530 in its pore free state is chemically inert and normally unaffected by chemical environments. chemical resistance sheets are available on request.

Food Compatibility

The products that make up Armourcote 4530 are all on the FDA positive list for use in food contact applications.

Additional Data

Tensile Strength	-	300 Kg/cm
Elongation	-	300%
Flexural Modulus	-	6950 kg/cm
Flammability	-	will not support combustion
Dielectric Strength	-	2000 V/mil 80 V/mil
Water Absorption	-	0.03%
Salt Spray Resistance	-	1000 hours plus
Dry Film Thickness	-	50 microns per coat.

Substrate must withstand grit blast and 400 c cure.

Items of large section size require alternative primer system.

Product History

Rubber and plastics release, release of food and bakery products, release of ice and use in low temperature applications. Armourcote 4530 is the general solution to release problems where cost is not a major factor.

N.B All information supplied on this data sheet should be used as a guide only.