XYLAN COATINGS

• XYLAN is a trade name of thin film fluropolymer coatings from WHITFORD WORLDWIDE.

• XYLAN coatings were originally developed out of fluroplastics (PTFE, etc ) but with continued development of polymers that can be used as binder systems and adhesion promoters , the performance of coatings has improved considerably .
XYLAN is a family of products designed to suit a wide range of applications

- Use as a lubricant and wear resistant coating
- Use as a seal
- Use as a release or non stick coating
- Use in materials handling
- Use under conditions of corrosion
- Use for colour coding or to provide functional surfaces
- Coating Thickness :- 20 Microns to 400 Microns  
  ( 0.02 mm to 0.4 mm )
XYLAN coatings
XYLAN 1010

• This is our most widely used dry lubrication product, having excellent low friction and wear resistant properties. It is an ideal coating for use in bearing surfaces, either dry or in combination with mineral oil lubricants.

• It is an excellent metal treatment for reduction in friction, fretting, galling and other friction and interference related problems. It has excellent resistance to commonly used machine fluids, such as mineral oils and greases, petroleum, jet fuel, skydrol and other hydraulic fluids and can therefore be used in most common light and medium engineering applications.

Jobs Completed by us

1. Rotary actuators, Carburetors, Bearings, any mating surfaces which require lubrication.

2. Operating Temperature range :- -195ºC to +285ºC.
XYLAN 1014

- 1014 is a variant of 1010 with superior abrasion resistance, and better resistance to environmental corrosion and chemical attack with its superior toughness and resistance to gritty abrasion. It is an excellent choice for medium to high load non-seizure applications, under adverse environmental conditions.

**Jobs Completed by us**

1. Moving parts of plug, ball and gate valves in oil and chemical process industries, stud bolts and nuts, especially for exterior use in dusty and gritty surroundings, automobile, door hinge pins etc.
XYLAN 1070

- Its basic use is for fasteners in marine use, in particular for drilling platform construction in the north sea. Its main features are that it combines good corrosion protection with dry lubrication. The main benefits are:
  - Significantly reduced torque required for a given pre-load.
  - Much greater accuracy of pre-load for a given applied torque.
  - Good protection against salt water corrosion ease of break – out of nuts (prevention of nut seizure) leading to ease of maintenance.

Jobs Completed by us
1. Threaded fasteners in salty & polluted environment.
XYLAN 1052

- This variant which contains molybdenum disulphide as well as PTFE, was formulated for extreme pressure applications. i.e. in excess of 100000 psi.

- Typical uses are normally very high load, low velocity applications such as bride expansion pads, steel hoarser tensioning chucks.
XYLAN 8840

• This is based on the fluropolymer FEP, and has a very high order of non-stick properties. It is used widely in many demanding non-stick application from sweet and chocolate moulds, cake trays, to tyre moulds, textile drying rollers, heat sealing blades and even to solve the notoriously sticky problems of releasing blown polyurethane foams.

Jobs Completed by us

1. Spirals for baking industry, dies for plastic molding & toy making companies, dies of pharmaceutical industries.