



Mechanical Plating

Application

Mechanical Plating is recommended on High Tensile fasteners such as the petro-chemical and Sampsonrod range.

Maximum diameter — 2"

Maximum length — 14"

Benefits

- (i) No Hydrogen Embrittlement
- (ii) No blocked threads
- (iii) Excellent protection against corrosion
- (iv) Consistent thickness and uniformity
- (v) High Quality finish



Inorganic Zinc Silicate

Application

Inorganic Zinc Silicate is very highly recommended for extreme corrosive environments. Very fine particles of pure zinc are bonded to the items with a bonding agent.

All items are sandblasted to a Class 3 finish to ensure that the best possible surface for bonding is achieved.

Benefits

- (i) No Hydrogen Embrittlement
- (ii) Consistent thickness
- (iii) High quality finish
- (iv) Superb corrosion protection up to 2000 hours
- (v) 25-35 micron of Zinc
- (vi) No blocked threads
- (vii) Studbolts available ex-stock

1PX1 (Moly)

Benefits

- (i) Thread lubricant is part of the fastener
- (ii) Greatly reduced friction co-efficient ensures evenly tensioned fasteners
- (iii) Excellent corrosion resistance up to 350°C
- (iv) Easy removal of nuts in maintenance work
- (v) Provides excellent undercoat for epoxy paints
- (vi) Hydrogen Embrittlement avoided
- (vii) Nuts are coated internally
- (viii) Excellent resistance to both acids and alkalins
- (ix) Lower friction actually increases the effective tension of the fastener as a result of lowering the wasted shear stress
- (x) The process is well proven in the marketplace because it is over 20 years old



Xylan 1424 Series – Blue & Green

Benefits

- (i) Thread lubricant is part of the fastener
- (ii) Greatly reduced friction co-efficient ensures evenly tensioned fasteners
- (iii) Excellent corrosion resistance. <15% red rust after 1488 hours salt spray
- (iv) Easy removal of nuts in maintenance work
- (v) Reduces make-up torque by as much as 70%
- (vi) Hydrogen Embrittlement avoided
- (vii) Nuts are coated internally
- (viii) Operating Temperature -40°C to 205°C
- (ix) Lower friction actually increases the effective tension of the fastener as a result of lowering the wasted shear stress



Other Coatings Available

Cadmium | Phosphate and Oil | PFTE | Fluorocarbon | Hot Dipped Galvanise | Zinc Plate