

Incot™ Fluoropolymer Coatings

Extensive testing and field use have proven that the future of coated fasteners lies with fluoropolymer coatings. Previously, hot dip galvanized, cadmium or zinc plated fasteners were considered the standard. But these coatings could not stand up to the corrosive atmospheres prevalent in many industries. After 1,000 hours of salt spray testing (ASTM B 117), fasteners coated with these conventional methods showed severe corrosion and, in some cases, failure. Fasteners coated with Incot™ fluoropolymer coating withstood these harsh conditions with no noticeable deterioration. Even after as many as 4,000 hours, Incot™ coated fasteners still could be easily disassembled.



Where Incot™ Works

Inventro Polymers has solved problems in many industries and applications. Due to its unique benefits, Incot™ has been applied to various types and grades of fasteners. The water works industry takes advantage of the superior corrosion resistance properties by coating T-head bolts for underground service. Stainless steel fasteners, used in many different industries, are coated for lubricity and anti-galling. The most widely used application is on B7 studs with 2H nuts. These fasteners are commonly used by turnaround groups, operations and maintenance departments and contractors at many chemical plants, refineries and offshore platforms. The coating's chemical resistance and easy on/easy off characteristics are perfect for these environments. A few specific applications where problems have been solved by using this coating process are

CONTACT US



FACTORY:
122, GEETA UDYOG NAGAR 3.
GOKHIWARE, VALIV ROAD,
NR. RANGE OFFICE, VASAI-E,
DIST: THANE, MAHARASHTRA.
PIN- 401 208
TEL: 0-9323101072 - 0-9022979942

H.O. OFFICE:
A-701, JEEVAN SAUKHYA,
BH. BMC OFFICE, KANDIVALI-W,
MUMBAI - 400067



E mail: info@inventro.net

Web site: www.inventro.net



INVENTRO POLYMERS

ABILITY TO DEFINE
MANUFACTURER & EXPORTER OF: RUBBER, P.T.F.E (TEFLON) & ENGINEERING PLASTIC ITEMS

9 ways Incot™ coatings
Solve severe problems on off shore oil installations



- Incot™ For Chemical Plants
- Incot™ For Oil & Gas Extraction
- Incot™ For Nuts, Bolts & Washers
- Incot™ For Springs & Gear.
- Incot™ For Cutting & Garden Tools.
- Incot™ For Surgical Instruments

Incot™ superior Quality fluoropolymer coating

Incot™ is registered trademark of INVENTRO POLYMERS

Incot™ 1010:

Dry-film lubricant for any wear surface to reduce friction, prevent scoring and galling, and provide secondary lubrication in the event of failure of the primary lubricant. In addition to its low coefficient of friction (0.04-1.00), Incot™ 1010 has good release properties, good chemical and abrasion resistance, and operates at temperatures up to 285 C.



Typical applications include: Hinge pins, piston casings, compressors, fasteners, etc.

Incot™ 1070:

Highly corrosion-resistant, low-friction coating designed to reduce make-up and breakout torque, even after prolonged exposure to corrosive environments. Incot™ 1070 also offers good wear and abrasion resistance. Stud-bolt coating used over phosphate or other pretreatment to achieve up to 3,000 hours salt spray.



Typical applications include: Threaded fasteners.

Incot™ 1427:

Waterborne, highly corrosion-resistant, low-friction coating designed to reduce make-up and break-out torque, even after prolonged exposure to corrosive environments. Incot™ 1427 also offers excellent chemical, wear and abrasion resistance.



Typical applications include: Connectors, nuts and fasteners.

Incot™ 1014:

Similar to Incot™ 1010, but with significantly more bonding resin relative to its content of polytetrafluoroethylene (PTFE) lubricant. This provides a finish that is harder, more abrasion-resistant, glossier and less porous. Friction values remain low and predictable.

**Incot™ 1331:**

Dry-film lubricant with PPS and PTFE for outstanding wear/abrasion resistance. This resin-bonded coating has excellent corrosion and chemical resistance and is virtually unaffected by any solvents up to 200 C (400F).



Typical applications include: Offshore down-hole tools.

Incot™ 1514:

UV-resistant, dry-film lubricant with excellent low friction. Incot™ 1514 is designed for highly visible, decorative applications where stain resistance and easy-clean properties are required.



This coating also offers some corrosion and abrasion resistance.

Typical applications include: Out door pipings, railings, sea facing metal fencing, etc.

Incot™ 1052:

Dry-film lubricant formulated with PTFE and MOS2 for high-pressure, low-speed wear applications. Its unique chemistry provides dependable, bonded lubrication for bearing surfaces subjected to extreme pressures of up to 10,500 kg/cm². Incot™ 1052 operates at temp. up to 285C (550F).



Typical applications include: Bearings, valve springs, sealing rings, etc.

Incot™ 1425:

Waterborne, dry-film lubricant formulated with PTFE and MOS2 specifically for high- pressure, low-speed wear applications. Its unique chemistry provides dependable, bonded lubrication for bearing surfaces subjected to extreme pressures of up to 10,500. Incot™ 1425 operates well in harsh chemical environments and at temperatures up to 190 C (375F). Similar to Incot™ 1052.



Typical applications include: Fasteners, piston casings, compressors, etc.

Incot™ 1311:

Similar to Incot™ 1331 with less PTFE. Use when abrasion resistance is more important than lubrication and/or nonwetting properties.



Typical appl include: Offshore down-hole tools