

TRIPAC

FASTENERS

FOR THE WATER WORKS AND CONSTRUCTION INDUSTRIES

TRIPAC 2000 BLUE COATING SYSTEM



TRIPAC 2000 BLUE



PLAIN STEEL



ZINC PLATED



HOT DIP GALVANIZED

ASTM A307, GR A BOLTS AFTER 1,000 HOURS OF SALT SPRAY TESTING

Bolts protected with **TRIPAC 2000 BLUE COATING SYSTEM** show no signs of corrosion after 1,000 hours of salt spray testing (ASTM-B-117). Plain steel, zinc plated, and hot dip galvanized bolts all show significant degrees of corrosion and rust.

Tripac's unique coating system encompasses careful surface preparation which includes abrasive blasting prior to being treated with a baked aerocote nickel primer. All fasteners are then electrostatically sprayed with multiple coats of **TRIPAC 2000 BLUE**, and baked at 425 degrees.

TRIPAC 2000 BLUE is a fluoropolymer coating which combines a wide range of mechanical and chemical properties ideally suited to the wide range of fasteners used in water works applications. It offers low friction, abrasion resistance, corrosion and chemical protection. Fasteners are easily tightened and removed.

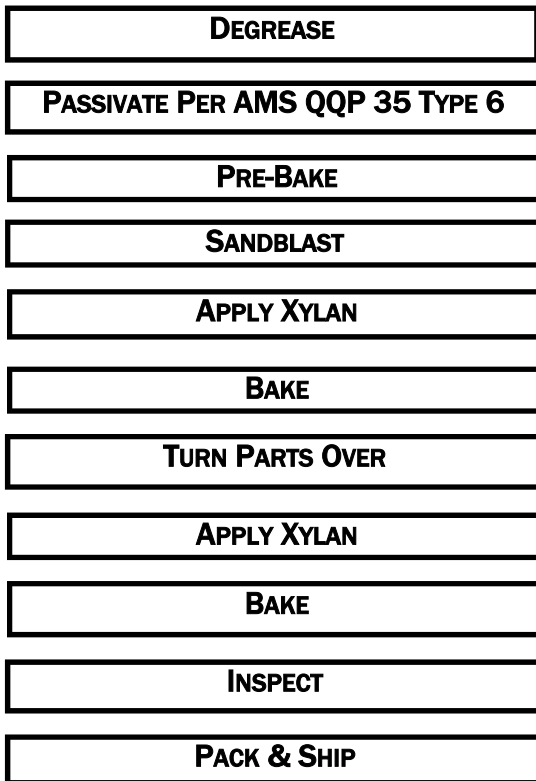
Safety is improved and costs are lowered because in most cases the fasteners can be removed with a wrench instead of using a cutting torch. Even after 3,000 hours in salt spray testing, nuts are still easily removed.

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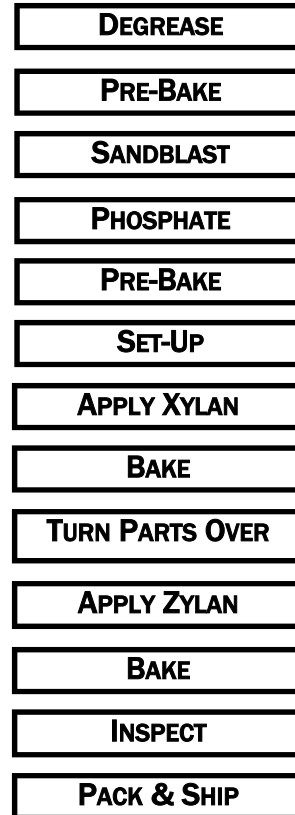
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TRIPAC 2000 BLUE

Coating Process for Tripac 2000 T-316 Bolts and Nuts



Coating Process for Tripac 2000 Blue Bolts



Tripac 2000 Blue Coating System

Tripac's 2000 Blue coating system includes Xylan 1014 as a primary coating. Xylan is a blend of fluoropolymers, engineering plastics and selected corrosion inhibitors tailored to provide specific properties for specific applications.

1000 hours in salt spray



2000 hours in salt spray
Tripac 2000 Blue



- Salt spray tested for up to 2000 hours
- Low friction (as low as 0.055)
- Remarkable adhesion
- Unusual resistance to wear and abrasion
- Excellent resistance to corrosion
- Resistance to chipping
- Resistance to the elements
- Wide working temperature range
- Reduces make-up torque by 70%
- Nuts easily removed without cutting tools

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SUBMITTAL INFORMATION

TRIPAC 2000 BLUE COATING SYSTEM

GENERAL DESCRIPTION:

TRIPAC 2000 BLUE IS A COMPREHENSIVE COATING ***SYSTEM*** FOR THE PROTECTION OF STEEL BOLTS, STUDS, NUTS, WASHERS AND OTHER FASTENERS. THIS UNIQUE SYSTEM INCLUDES STEP BY STEP PROCEDURES NECESSARY TO INSURE THAT THE COATING MEETS THE ABRASION RESISTANCE, CORROSION AND CHEMICAL PROTECTION DESIRED. THIS COMPREHENSIVE COATING SYSTEM ALSO SIGNIFICANTLY IMPROVES CORROSION PROTECTION EVEN WHEN THE SURFACE (BLUE) COATING IS DAMAGED IN FIELD APPLICATIONS.

COATING PROCEDURES:

1. SURFACE PREPARATION:
 - A. ALL SURFACES CHEMICALLY CLEANED
 - B. ABRASIVE BLASTING WITH ALUM. OXIDE (120 GRIT)
 - C. AEROCOTE (NICKEL) PRIMER PROCESS APPLIED
 - D. BAKED
2. COATING
 - A. MULTIPLE COATS OF FLUOROPOLYMER COATING APPLIED (1 MIL)
 - B. AIR DRY FOR MINIMUM OF 30 MINUTES
 - C. BAKED AT 425 DEGREES FOR 1 HOUR
3. QUALITY CONTROL CHECKED FOR UNIFORM APPLICATION AND THICKNESS. APPEARANCE SHALL BE FREE FROM ANY CRACKS, PINHOLES, RUNS, SAGS, FOREIGN MATTER, GRIT, ROUGH PARTICLES OR OTHER SURFACE IMPERFECTIONS.

COATING PROPERTIES:

TRIPAC 2000 BLUE DIFFERS FROM TRADITIONAL FLUOROPOLYMER COATINGS IN ONE VERY IMPORTANT ASPECT – IT IS A COMPOSITE MATERIAL. LUBRICANTS WITH THE LOWEST KNOWN COEFFICIENT OF FRICTION ARE COMBINED IN A MATRIX WITH HIGH TEMPERATURE ORGANIC POLYMERS. UNITED, THESE POLYMERS FORM “PLASTIC ALLOYS” HAVING UNIQUE AND DESIRABLE PROPERTIES:

1. LOW FRICTION; AS LOW AS 0.02.
2. WEAR RESISTANCE; EVEN UNDER EXTREME PRESSURE
3. CORROSION AND CHEMICAL RESISTANCE IN MOST ENVIRONMENTS
4. WEATHER RESISTANCE AGAINST SUNLIGHT

OTHER:

1000 HOUR SALT SPRAY TEST (ASTM -B-117) PERFORMED ON BOLTS THAT HAVE BEEN TORQUED INDICATE THAT IN SOME INSTANCES, SOME OF THE COATING IS REMOVED FROM EITHER THE BOLT HEAD (BY THE WRENCH) OR FROM THE THREADS (BY THE NUT). EVEN WITH THIS DAMAGE, THE BOLT SHOWS MINIMUM RUSTING AND THE NUT IS EASILY REMOVED. BOLTS PROTECTED BY ZINC PLATING AND BY HOT DIPPED GALVANIZING SHOW SIGNIFICANT RUSTING AND THE NUTS CANNOT BE REMOVED UNDER SIMILAR TESTING.

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