I'm not robot!

Xylan 1070 datasheet - 2 - pdf

Xylan 1070 coated fasteners contains corrosion inhibitors for better corrosion resistance. It excels in applications requiring a dry film lubricant effective against a broad spectrum of chemicals and corrosives. Xylan 1070 coated fasteners demonstrate excellent adhesion to a variety of materials. Simple test procedures will determine if Xylan coatings will bond to a new or untried substrate material. Organic solvent based, low friction coating for studbolts. Normally used over a phosphate or other pretreatment to achieve up to 3000 hours salt spray resistance. Xylan 1070 Coated B7 Studs Xylan 1070 Coated U Bolts Xylan 1070 Coated Stud Bolts Xylan 1070 Coated Stud Bolts Xylan 1070 Coated Fastners provide excellent adhesion to a variety of substrates may cause poor adhesion or defects in the final dry film. Each Fastener like bolt, stud, nut, washer to be coated must be free of all contaminants e.g. oil, grease, detergent, rust and blast media. Most applications may require additional surface preparation in order to enhance adhesion (such as grit blasting with aluminum oxide). Substrate preparation should be based on the design requirements of the item. The following are the recommended substrate preparation. Contaminated substrates may cause poor adhesion of the coatings or defects in the final dry film. Each item to be coated must be free of all contaminants, e.g. oil, grease, detergent, rust and blast media. Substrate preparation should be based on the design requirements of the part. If you are unsure which process is best suited to your needs please contact our technical service department. The following are the recommended substrates and substrates are the recommended substrates and substrates are the recommended substrates are the generally suitable for application as supplied. However, some viscosity adjustment may be necessary depending upon the type of equipment employed. Xylan 1070 coatings are applied by conventional air spray techniques. Any spray gun apparatus associated with the application of fluoropolymer coatings will provide a uniform film without difficulty. Other methods of application, which have been successfully utilized, include airless, HVLP and electrostatic units (air and disk). Xylan 1070 Coated Fasteners may be cured immediately or be accumulated for a batch oven. Whitford recommends a cure of 10 minutes at 450°F (230°C) for Xylan 1070 coated bolts nuts and washers. Other time/temperature relationships may be used (see graph). Optimum dry film characteristics are obtained when the coating is cured per our recommendations. Temperature means part metal temperature (PMT), not oven temperature to substrate temperatures and the following temperatures apply to PEAK SUBSTRATE TEMPERATURE. Xylan® Coatings are a family of fluropolymer coatings, designed for use on machined components and fasteners to prevent corrosion and facilitate makeup torque. They are a waterborne/VOC compliant, resin bonded, thermally cured, single dry film lubricant AFT is a Whitford (Xylan®) Approved Oil Tools Applicator. Operating temperature for continuous service ranges from -40° F, and can survive up to +450° F, a fitted with threaded plugs for inspection, pressure relief, filling or tapping. Coatings on pipe plugs not only improve their performance and reliability but also make them easier to use. A thin film of Xylan® eliminates the PTFE tape normally wrapped around the threads to seal them. In addition, the corrosion protection and low-friction properties of the coating greatly reduce breakout torques, enabling users to remove the plugs at a later date without destroying them. Xylan® Coatings are a family of fluoropolymer coatings designed for use on various types of OEM components and fasteners, including xylan coated bolts to prevent corrosion. Most Xylan® coatings contain PTFE or other types of lubricants and are applied in thin films Xylan 1010: Dry-film lubricant for any wear surface to reduce friction, prevent scoring and galling, and provide secondary lubricant for any wear surface to reduce friction (0.04-1.00), Xylan 1010 has good release properties, good chemical and abrasion resistance, and operates at temperatures up to 285°C (550°F). Xylan 1014: Similar to Xylan 1014: Similar to Xylan 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. Xylan 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 (150,000 psi). Xylan 1052 operates at temperatures up to 285°C (550°F). Xylan 1070: Highly corrosion-resistant, low-friction coating designed to reduce make-up and break-out torque, even after prolonged exposure to corrosive environments. Xylan 1070 also offers good wear and abrasion resistance, ideal where tolerance is critical and lubrication unnecessary. Xylan 1213: Waterborne, dry-film lubricant designed for high-pressure/low-speed applications. When combined with Xylan 1270 (1400): A low-cost alternative to Xylan 1070 (1424), but with less lubrication. For fasteners where reduced break-out torque is not necessary. Xylan 1311: Similar to Xylan 1331 with less PTFE. Use when abrasion resistance is more important than lubrication and/or nonwetting properties. Considered an economical singlefilm coating. Xylan 1331: Dry-film lubrication and/or nonwetting properties. This resin-bonded coating has excellent corrosion and chemical resistance and is virtually unaffected by any solvents up to 205°C (400°F). Xylan 1424: Waterborne/VOC-compliant, highly corrosion-resistant, dry-film lubricant designed for use on any mating surface requiring lubrication. Xylan 1424 reduces make-up and break-out torque and also offers excellent chemical and abrasion resistance. Similar to Xylan 1014. Xylan 1425: Waterborne, dry-film lubrications. Its unique chemistry provides dependable, bonded lubrication for bearing surfaces subjected to extreme pressures up to 10,500 kg/cm2 (150,000 psi). Xylan 1425 operates well in harsh chemical environments and at temperatures up to 190°C (375°F). Similar to Xylan 1427: Waterborne, low-friction, highly corrosion- resistant fastener coating designed to reduce make-up and break-out torque, even after prolonged exposure to corrosive environments. Xylan 1427 also offers excellent chemical, wear and abrasion resistance. Xylan 1514: UV-resistant, dry-film lubricant with excellent low friction. Xylan 1514 is designed for highly visible, decorative applications where stain resistance and is considered the most lubricious in the series. Xylan® 1052 – Ideal for any mating surface that needs dry lubrication e.g. bearings, sealing rings and valve springs. With a continues operating temperature of -195°C to +260°C and a intermittent range of -195°C to +285°C. Whitfords 1052 is an Organic solvent based, high temperature, general purpose coating for extreme pressure applications. Typical DFT coating 15 - 20 um, available in a wide range of colours. Xylan® 1070 - Typical applications of 1070 includes threaded fasteners and nuts with a continues operating temperature of -195°C to +285°C. Whitfords 1070 is an Organic solvent based, low friction coating normally used over Zinc, Phosphate or other pretreatment to achieve up to 3000 hours salt spray resistance. Typical DFT coating 20 - 25 um, available in a wide range of colours. Xylan 1070 coated PTFE stud bolt Xylan 1070 coated PT intermittent range of -20°C to +230°C. Whitfords 1424 is an Aqueous based, dry lubricant coating normally used over Zinc / Phosphate or other pretreatment with excellent corrosion resistance properties. Typical applications for Xylar® 1 – Typical applications for Xylar® 1. coatings provide the aerospace, engineering and marine industries with materials to protect components from high temperature oxidation, salt laden atmospheres, chemicals and abrasives. With a continues operating temperature oxidation, salt laden atmospheres, chemicals and abrasives. With a continue operating temperature oxidation, salt laden atmospheres, chemicals and abrasives. corrosion and abrasion resistance at extreme temperatures. Typical DFT coating 20 - 25 um. Twice the protection power Almost twice as hard as the best organics, Xylar 2 is an inorganic ceramic-metallic coating that sacrificially protects metals from corrosive salt environments and high temperature oxidation. Originally designed for aircraft and aerospace applications, Xylar 2 is a second-generation cermet, which provides a hard barrier coating that breaks the electrical path between dissimilar metal parts. Protection against water in all forms Manufactured by Whitford® Corporation, this porous ceramic dry-film lubricant is the "cornerstone" on which to build a tough barrier coating system. Xylar 2's thin-film bonding agent delivers extensive salt fog protection, good wear characteristics, and high temperature stability of up to 1200°F, protecting metal from oxidation due to water in all forms. Salt Spray Test Result (SST: Zn-Ni + Xylan 1014, Min. 3000 hrs (

