



**JET-LUBE®**

**DEACON®**

**OIL & GAS INDUSTRY SOLUTIONS**

**UPSTREAM | MIDSTREAM | DOWNSTREAM**



JET-LUBE® and DEACON® are trusted industry leaders, delivering high-performance solutions engineered to withstand the toughest environments—extreme temperatures, high pressures, and harsh chemicals. With decades of expertise in the Oil & Gas sector, our products are designed to maximize operational efficiency, reliability, and equipment lifespan.



## UPSTREAM

### Drilling

- Kopr-Kote® (& Arctic)
- Extreme®
- NCS-30® (& ECF / Arctic)
- 21® (& Arctic)

### OCTG Tubulars

- Run-N-Seal® Extreme® (& Arctic, AWG, ECF)
- Seal-Guard™ (& ECF)
- Korr-Guard
- API-Modified™

### Frac

- Frac Pump Packing Lubricant (& Arctic)
- Ezy-Pump Frac Valve Sealant
- EZY-Turn® #4 Plus
- EZY-Turn® Body Fill (& Arctic)

## MIDSTREAM

### Valves

- Ezy-Pak® Extreme

### Fasteners

- Kopr-Kote® Anti-Seize
- 550® Extreme®

### Pipe Maintenance/Repair

- PipeArmor™
- Seal Wrap™
- Rocket Wrap®

## DOWNSTREAM

### Valves

- Ezy-Pak® Extreme

### Fasteners

- Kopr-Kote® Anti-Seize
- 550® Extreme®
- Nikal® (& Nuclear)
- MP-50™

### Online Leak Sealing

- CV-600
- 325
- 427

### Pipe Maintenance/Repair

- Rocket Wrap®
- Seal Wrap™
- 3300
- 8875-Thin

### TOOLBOX ITEMS General Maintenance

- Jet-Red™
- Clean Up Plus™
- 769 Lubricant®
- WRL™
- Petro-Tape™
- Jet-Lok III®

**JET-LUBE®**

**DEACON®**

# ENGINEERED FOR EXTREME CONDITIONS

Our comprehensive product line consists of High-Performance Drilling, OCTG and Anti-Seize Compounds, Valve Lubricants and Packings, Injectables, Sealants, and Pipe Wraps. These solutions are all tailored to meet the critical demands of the Oil & Gas industry.

## UPSTREAM *(Involves drilling and well operations)*

### DRILLING

#### JET-LUBE KOPR-KOTE®

**Drill Collar & Tool Joint Compound** - KOPR-KOTE sets the industry standard for premium copper-based drilling compounds. Uniquely formulated to prevent excessive circumferential make-up, it features a high static friction factor that helps prevent downhole joint make-up under excessive drilling torque. Engineered to prevent galling and seizure, KOPR-KOTE ensures smooth breakout and reliable performance. Additionally, it is one of the few copper compounds granted a marine-pollutant exception by DOT, making it a trusted choice for environmentally conscious operations. **KOPR-KOTE ARCTIC** is available as a more pumpable or sprayable version with a low-temperature service rating designed for extreme arctic conditions.

- Certifications: Not classified as a marine pollutant - DOT Approval CA2004080025 · Conforms with API RP 5A3 for use with rotary shouldered connections · Approved by NAM/Shell for underbalanced drilling applications · Environmental Rating: UK CEFAS OCNS Group B
- Applications: Oilfield Threads: Drill Collars, Tool Joints, Drilling Strings, Tubing Connections - rotary shouldered
- Service Rating: 0°F to 450°F (-18°C to 232°C) | (ARCTIC) -65°F to 300°F (-54°C to 149°C)
- Friction-Factor: 1.15 (Relative to API RP 5A3 Annex I)

#### JET-LUBE EXTREME®

**Drill Collar & Tool Joint Compound** - EXTREME is a premium, unleaded compound formulated with Jet-Lube's high-temperature, mud-resistant complex base grease, offering superior performance and extended storage capability. Designed to prevent excessive circumferential makeup, it increases friction under compressive forces, limiting downhole makeup as stress exceeds 50% of yield. EXTREME maintains full hydraulic joint efficiency, allowing joint shoulder faces to mate completely without standoff or deformation.

- Certifications: Not classified as a marine pollutant - DOT Approval CA2019050504 · Conforms with API RP 5A3 for use with rotary shouldered connections
- Applications: Drill Collars, Tool Joints, Drill Strings, Tubing Connections - rotary shouldered
- Service Rating: 0°F to 450°F (-18°C to 232°C)
- Friction-Factor: 1.15 (Relative to API RP 5A3 Annex I)

#### JET-LUBE NCS-30®

**Nonmetallic Thread Compound** - NCS-30 is a premium compound with carbon-based fibers plus extreme pressure and anti-wear additives, blended into Jet-Lube's high-temp calcium complex grease. It provides superior adhesion to wet steel surfaces, resists water wash-off and most drilling muds; especially effective for invert and high-pH muds. Designed to prevent excessive circumferential makeup, NCS-30 increases friction under compressive forces, limiting downhole makeup as stress exceeds 50% of yield. It maintains full hydraulic joint efficiency, ensuring proper joint shoulder faces mate completely without standoff or deformation. With frictional properties similar to KOPR-KOTE, NCS-30 is designed to utilize the makeup thread manufacture's torque multiplied by its 1.15 friction factor on API connections. **NCS-30 ARCTIC** is available with the same protection but service-rated for low-temperature conditions. For an environmental "Yellow"-rated product, use **NCS-30 ECF**.

- Certifications: NSF H2 Registered · Conforms with API RP 5A3 for use with rotary shouldered connections · Environmental Rating: UK CEFAS Group E
- Applications: Drill Collars, Tool Joints, Drill Strings, Tubing Connections - rotary shouldered, double shouldered and premium
- Service Rating: Oilfield/Mining/Construction Drilling: -20°F to 500°F (-29°C to 260°C) Industrial Anti-seize Applications: -65°F to 2600°F (-54°C to 1427°C) | (ARCTIC) Oilfield/Mining/Construction Drilling: -40°F to 350°F (-40°C to 177°C) Industrial Anti-seize Applications: -65°F to 2600°F (-54°C to 1427°C) | (ECF) -10°F to 500°F (-23°C to 260°C)
- Friction-Factor: 1.15 | (ECF) 1.0 (Relative to API RP 5A3 Annex I)

#### JET-LUBE 21®

**Drill Collar & Tool Joint Compound** - 21 is a high-quality, lead-free compound designed for less severe applications than KOPR-KOTE. It contains copper flake as the only metallic component, fortified with a unique blend of natural, inorganic, extreme-pressure, and anti-wear additives. Formulated to control tool joint makeup and breakout, 21 prevents excessive circumferential makeup while protecting against galling and high stress, prolonging thread and shoulder life. Its high dynamic friction factor minimizes excessive downhole makeup. 21 also offers extended storage properties and is exempt from the DOT's marine-pollutant labeling requirements. **21 ARCTIC** is available for improved low-temperature applicability and spray systems.

- Certifications: Not classified as a marine pollutant - DOT Approval CA2006100003 · Environmental Rating: UK CEFAS Group B · Conforms with API RP 5A3 for use with rotary shouldered connections
- Applications: Drill Collars, Tool Joints, Drill Strings
- Service Rating: 0°F to 450°F (-18°C to 232°C) | (ARCTIC) -40°F to 300°F (-40°C to 149°C)
- Friction-Factor: 1.15 (Relative to API RP 5A3 Annex I)



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## OCTG TUBULARS

### JET-LUBE RUN-N-SEAL® EXTREME

**Metal-Free Thread Sealant** - RUN-N-SEAL EXTREME is a patented, high-pressure sealant alternative to API-MODIFIED. It combines graphite and other nonmetallic, inorganic, anti-wear additives with KORR-GUARD, a high-temperature, rust-inhibiting, complex soap-based grease used for storage applications. With a high volume of solids and large-sized particles, RUN-N-SEAL EXTREME seals effectively in both large and small diameter, non-shouldered threads. The complex soap grease provides a high melting point, ensures brushability across a wide temperature range, and has excellent inherent water resistance. It lubricates, seals, and protects threaded connections of oilfield tubular goods during makeup, service, and storage. **RUN-N-SEAL ARCTIC** is ideal for cold conditions. **RUN-N-SEAL EXTREME AWG** offers a wide temperature range with brushability to -40° F (-40° C). For an environmental "Yellow"-rated product, use **RUN-N-SEAL ECF**.

- Certifications: Exceeds all of the performance criteria described in API spec. 5CT · Tested in conformance with API RP 5A3
- Applications: OCTG and API Connections, Subsurface Production Tools
- Friction-Factor: 0.9 (ECF) 1.0 (Relative to API-MODIFIED)

### JET-LUBE SEAL-GUARD™

**Premium Thread Compound** - SEAL-GUARD is designed to meet the performance requirements of proprietary, metal-to-metal seals and high-interference connections using high-performance materials like super chrome and high alloy steels. Its environmentally safe formula features a tightly controlled small particle size distribution. With advanced base grease and CZ-EX PLUS additive technology enhanced with high and low-strength polymers and solid lubricants, SEAL-GUARD offers superior lubrication under high loads and galling resistance similar to heavy metal-based compounds but in a metal-free formula. This cutting-edge technology provides a high affinity to metal surfaces with a relatively low added solids content. SEAL-GUARD's formula has a large percentage of submicron particles that create a film that gives consistent frictional performance without restricting proper engagement of the connection. For an environmental "Yellow"-rated product, use **SEAL-GUARD ECF**.

- Certifications: Ospar Commission - Harmonized Offshore Chemical Notification Format (HOCNF) CLASSIFICATION: "Red" rating for Norway CLASSIFICATION: "D" for The United Kingdom and The Netherlands (ECF) - "Yellow" rating for Norway CLASSIFICATION: "E" for The United Kingdom and The Netherlands Denmark PR#: 2351246 · Eco-Certified · Conforms to or exceeds the requirements for API RP5A3/ISO 13678 specification
- Applications: Premium Mechanical Seal on 8-round Connections, Flow Lines, Nuts, Bolts, etc. Can be utilized on Jacking Systems
- Service Rating: -20°F to 450°F (-29°C to 232°C)
- Friction-Factor: 1.0 | (ECF) 1.0 to 1.2 (Relative to API-MODIFIED)

### JET-LUBE KORR-GUARD™

**Storage Compound** - KORR-GUARD is a water-displacing, semi-fluid grease that effectively flows into the thread roots, displacing moisture, cutting oils, and residual threading materials. It allows thread protectors to fully engage with the pipe threads, helping to prevent moisture from penetrating newly threaded or recut threaded areas. KORR-GUARD does not run or drip off the threads. Its unique blend of rust and corrosion inhibitors, formulated as a grease-type product, is ideal for both short-term and long-term storage of casing, tubing, drill pipe, or any metal surface that requires protection from the elements. KORR-GUARD is particularly well-suited for extremely humid or salt water environments. The product can be easily applied with a brush and does not harden over time, making it easy to remove with a rag or cleaner.

- Applications: Threaded Pipe, Drill Strings
- Service Rating: -20°F to 425°F (-29°C to 218°C)

### JET-LUBE API-MODIFIED™

**High Pressure Thread Compound** - API-MODIFIED contains rust and oxidation inhibitors that are blended into Jet-Lube's base grease, which is made from custom-refined, low-sulfur oil. This formulation ensures brushability across a wide temperature range. API-MODIFIED adheres tenaciously to all surfaces, resists water washout, and effectively prevents rust and corrosion. It reduces friction in the makeup of casing and tubing, thereby preventing galling and wear. The compound ensures maximum thread engagement, providing optimal leak resistance. Additionally, API-MODIFIED contains inhibitors that offer maximum protection against rust and corrosion on threaded surfaces. Its conductivity minimizes the risk of electrolytic corrosion by preventing the formation of galvanic cells in the presence of salt water and other corrosive fluids.

- Certifications: Meets or exceeds API RP 5A3/ISO 13678 requirements · ENVIRONMENTAL RATING: - Denmark PR#: 2391739 - UK CEFAS Group B - Norway SFT/Nems Black
- Applications: API Casing, Tubing Connections, Line Pipe, Flow Lines, Subsurface Production Tools, also approved for most Proprietary Mechanical Seal Connection Designs (Not Recommended for Rotary Shouldered Connections)
- Service Rating: 0°F to 400°F (-18°C to 205°C)
- Friction-Factor: 1.0 (API RP 5A) 1.0, Nut Factor 0.13 (API 6A)

## FRAC

### JET-LUBE FRAC PUMP PACKING LUBRICANT

**Packing Lubricant** - FRAC PUMP PACKING LUBRICANT is specifically designed to withstand the harsh conditions of hydraulic fracturing, including exposure to hydrochloric acid and n-methyl-2-pyrrolidone. Its optimal blend of pumpability and adhesion ensures reliable lubrication for frac pumps. With an aluminum complex thickener, this lubricant performs in temperatures up to 350°F (177°C) while maintaining excellent low-temperature pumpability. FRAC PUMP PACKING LUBRICANT's semi-fluid, tacky consistency stays in place, protecting equipment and minimizing mess and cleanup. Its versatile flow properties also make it suitable for a wide range of other applications. **FRAC PUMP PACKING LUBRICANT ARCTIC** is available with the same protection but service-rated for low-temperature conditions.

- Applications: Hydraulic Fracturing Pump Packings, Gear and Chain Cases, Speed Reducers, Transfer Cases, Automatic Lubrication Applications
- Service Rating: 0°F to 350°F (-18°C to 177°C) | (ARCTIC) -40°F to 350°F (-40°C to 177°C)

### JET-LUBE EZY-PUMP FRAC VALVE SEALANT

**Valve Sealant** - EZY-PUMP FRAC VALVE SEALANT is designed for hydraulic fracturing operations that require resistance to hydrochloric acid, methanol, and other hydrocarbons. It remains pumpable to -30°F (-36°C) when used with a high-pressure lubricator and low pour-point oil and viscosity-building polymer. EZY-PUMP FRAC VALVE SEALANT is formulated with boundary lubricants including graphite, molybdenum disulfide (MoS<sub>2</sub>), hydrogen sulfide (H<sub>2</sub>S), and rust inhibitors. The MoS<sub>2</sub> enhances sealing and lubrication, renewing surfaces by burnishing into scratches, while the H<sub>2</sub>S extends product life in sour gas service. Heavier than oil, it displaces water and residues from the body gate valves while reducing torque for smooth operation and protecting against scoring and galling.

- Applications: Valve Applications: requiring aliphatic hydrocarbon resistance or where high and low temperature extremes are encountered
- Service Rating: >-45°F to >400°F (-43°C to 204°C) It can retain its consistency at 500°F (260°C) within a valve where oxygen contact is excluded

## JET-LUBE EZY-TURN® #4 PLUS

**Multipurpose Valve Sealant** - EZY-TURN #4 PLUS is formulated with polyester-based fluids, offering a wide temperature range, and contains molybdenum disulfide (MoS2) and hydrogen sulfide (H2S) inhibitors. It is the perfect valve sealant for applications that demand excellent moisture and hydrocarbon resistance. The base fluids provide increased resistance to aliphatic hydrocarbons when compared to vegetable-based products, while the enhanced thickener blend provides great service resistance. The blend of MoS2 enhances sealing and lubrication by burnishing into scratches, effectively renewing surfaces. EZY-TURN #4 PLUS is pumpable to temperatures as low as -40°F (-40°C) when used with a high-pressure lubricator. With a softer consistency, it is easily pumpable with hydraulic fracturing applications. It offers excellent hydrochloric acid resistance and contains additives that neutralize the harmful effects of hydrochloric acid on valves removed from frac service.

- Applications: Valves used in hydraulic fracturing, Gate, Ball and Globe Valves requiring aliphatic hydrocarbon and acid resistance or where high and low temperature extremes are encountered
- Service Rating: >-40°F to ≥450°F (-40°C to 232°C) It can retain its consistency at 500°F (260°C) within a valve where oxygen contact is excluded



## JET-LUBE EZY-TURN® BODY FILL

**Gate Valve Sealant** - EZY-TURN BODY FILL is an economical, petroleum oil-based sealant designed to flow easily into hard-to-fill orifices and channels in gate valve cavities when pumped with a high-pressure lubricator. It offers good metal adhesion, and field studies show it has an excellent ability to remain in the body cavity while displacing water and foreign materials. EZY-TURN BODY FILL is suitable for close-tolerance valves due to its superior flow properties under pressure and metal adhesion. Best used where economy is a factor and maximum hydrocarbon resistance is not required. **EZY-TURN BODY FILL ARCTIC** is ideal for use in low temperatures or easier pumpability is required.

- Applications: Gate Valves, Body Fill Valves
- Service Rating: -20°F to 350°F (-29°C to 177°C) | (ARCTIC) -40°F to 300°F (-40°C to 149°C)

# MIDSTREAM

*(Involves transportation, storage, and processing of natural gas and crude oil/ compressor station/pipelines)*

## VALVES

### JET-LUBE EZY-PAK® EXTREME

**Low "E" Injectable Valve Stem Packing** - EZY-PAK EXTREME is the industry's first patented low-emissions injectable packing featuring Certified Low Leak Technology (CLLT). Its advanced formulation combines molybdenum disulfide (MoS2) and surface-modified oxidation-inhibited graphite, ensuring superior sealing, lubrication, and durability across various temperatures and pressures. Designed for easy injection with conventional injectable guns, it flows smoothly into valve stuffing boxes, effectively preventing rust, oxidation, and corrosion while remaining stable—never hardening or drying out. Ideal for Drill & Tap (D&T) programs and fugitive emissions control, EZY-PAK EXTREME conforms to API 624 requirements as a "Certified Low Leak Technology (CLLT)" packing. Additionally, it does not contain VOCs.

- Certifications: Conforms to API 624 requirements as a "Certified Low Leak Technology (CLLT)" packing
- Applications: Drill & Tap Applications, Adjustable Valves and Pumps with Packing
- Service Rating: -40°F to 750°F (-40°C to 400°C)



## FASTENERS

### JET-LUBE KOPR-KOTE® ANTI-SEIZE

**Copper Anti-Seize & Thread Lubricant** - KOPR-KOTE ANTI-SEIZE is an industry-trusted premium, low-friction compound featuring advanced micro-sized copper flakes and graphite in a water-resistant grease. It creates a protective barrier against metal-to-metal contact, preventing seizing and corrosion. KOPR-KOTE ANTI-SEIZE effectively fills irregularities and imperfections while resisting welding, hardening, and setting. Its low shear between particles reduces stick-slip, allowing for quick disassembly with minimal wrench torque. Additionally, it contains no lead or zinc. Also available in Aerosol form.

- Certifications: NSF Registered H2 (Bulk) · Conforms to MIL-PRF-907F · Conforms to RAYTHEON spec M8656839 Type II
- Application: Threaded Connections, Pump Housings, Flanges, Studs, Exhaust Manifold Bolts, Compressor Heads, etc.
- Service Rating: -65°F to 1800°F (-54°C to 982°C)
- Nut-Factor: 0.15 - 1" B7 Studs @ 80,000 psi Contact Stress

### JET-LUBE 550® EXTREME®

**Low "E" Nonmetallic Anti-Seize & Thread Lubricant** - 550 EXTREME is a low-emission premium compound. Its homogeneous composition provides maximum protection against seizure and heat freeze, easing both assembly and disassembly. 550 EXTREME assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out and requires no thinning. In addition to molybdenum disulfide (MoS2), graphite, and low friction fillers, 550 EXTREME utilizes a complex grease base fortified with effective rust and corrosion inhibitors, as well as inherent anti-wear properties. When used in tandem with graphite stem packings, it improves compliance with API 622 Low "E" criteria. Additionally, it does not contain VOCs.

- Certifications: Conforms to RAYTHEON spec - M8656839 Type III · Conforms to MIL-PRF-907F
- Application: Threaded Fasteners, Valve Stems, Slides, Fittings, Guides, Keyways
- Service Rating: Select Applications/Services: 2400°F (1316°C) | Brushable to or as a lubricant: -10°F (-23°C)
- Static Applications: -265°F (-165°C)\*\* ( \*\*Based on component literature data in cryogenic applications.)
- Nut-Factor: 1" Uncoated B7 Studs - 0.15 @ 80 ksi, 0.18 @ 50 ksi, 0.19 @ 30 ksi

## PIPE MAINTENANCE/REPAIR

### JET-LUBE PIPEARMOR™

**Heavy-Duty Fiberglass Wrap** - PIPEARMOR is specially designed to protect pipelines from abrasion, impact, and external wear. It features a specially woven wrap, pre-coated with a durable, water-activated urethane resin, ensuring strong adhesion and superior shear resistance. PIPEARMOR's unique weave design enables smooth, spiral application for efficient installation over long sections of pipe.

- Application: Piping
- Service Rating: -20°F (-29°C) up to 250°F (121°C)
- Ply Thickness: 55-60 mil (cured)
- Tack Free Time: 50°F (10°C) to 80°F (27°C) | 30-60 minutes

### DEACON SEAL WRAP™

**Heavy-Duty Water-Activated Fiberglass Wrap** - SEAL-WRAP's pipe wrap system is designed to tackle pipe-related challenges. From fast and slow-cure reinforcements to high-temperature resilience, SEAL-WRAP ensures pipes, tanks, and pressure vessels are fortified, sealed, and maintained. It is commonly used as an additional barrier to prevent sealant breaches in thin wall piping during the installation of leak repair clamps or enclosures.

- Application: Piping
- Service Rating: Service: up to 425°F (218°C) Application: up to 200°F (93°C)
- Ply Thickness: 0.015 in
- Cure Time: 77°F (25°C) | 15 minutes



### DEACON ROCKET WRAP®

**Heavy-Duty Carbon Fiber Composite Wrap** - ROCKET WRAP is an innovative pipe repair system for internal and external corrosion, erosion, stress cracking, direct leaks, soft spots, microbial-induced corrosion (MIC), and general industrial leak repair. Crafted with precision engineering, ROCKET WRAP products are built to endure extreme temperatures, pressures, and harsh chemicals. They can be installed with minimal to zero downtime, and no demolition or new permits are required.

- Certifications: ASME PCC-2 and ISO 24817 Certified · Conforms to API 653, DOT, and ASME B31 standards
- Application: Piping
- Service Rating: Max Service: Type A = 487°F (253°C) · Type B = 469°F (243°C)
- Ply Thickness: 0.026 in
- Tack Free Time: 77°F (25°C) | 4 hours

## DOWNSTREAM

*(Involves the conversion of crude oil and natural gas into finished products at refineries or petrochemical plants)*

### VALVES

#### JET-LUBE EZY-PAK® EXTREME

**Low "E" Injectable Valve Stem Packing** - EZY-PAK EXTREME is the industry's first patented low-emissions injectable packing featuring Certified Low Leak Technology (CLLT). Its advanced formulation combines molybdenum disulfide (MoS<sub>2</sub>) and surface-modified oxidation-inhibited graphite, ensuring superior sealing, lubrication, and durability across various temperatures and pressures. Designed for easy injection with conventional injectable guns, it flows smoothly into valve stuffing boxes, effectively preventing rust, oxidation, and corrosion while remaining stable—never hardening or drying out. Ideal for Drill & Tap (D&T) programs and fugitive emissions control, EZY-PAK EXTREME conforms to API 624 requirements as a "Certified Low Leak Technology (CLLT)" packing. Additionally, it does not contain VOCs.

- Certifications: Conforms to API 624 requirements as a "Certified Low Leak Technology (CLLT)" packing
- Applications: Drill & Tap Applications, Adjustable Valves and Pumps with Packing
- Service Rating: -40°F to 750°F (-40°C to 400°C)

### FASTENERS

#### JET-LUBE KOPR-KOTE® ANTI-SEIZE

**Copper Anti-Seize & Thread Lubricant** - KOPR-KOTE ANTI-SEIZE is an industry-trusted premium, low-friction compound featuring advanced micro-sized copper flakes and graphite in a water-resistant grease. It creates a protective barrier against metal-to-metal contact, preventing seizing and corrosion. KOPR-KOTE ANTI-SEIZE effectively fills irregularities and imperfections while resisting welding, hardening, and setting. Its low shear between particles reduces stick-slip, allowing for quick disassembly with minimal wrench torque. Additionally, it contains no lead or zinc. Also available in Aerosol form.

- Certifications: NSF Registered H2 (Bulk) · Conforms to MIL-PRF-907F · Conforms to RAYTHEON spec M8656839 Type II
- Application: Threaded Connections, Pump Housings, Flanges, Studs, Exhaust Manifold Bolts, Compressor Heads, etc.
- Service Rating: -65°F to 1800°F (-54°C to 982°C)
- Nut-Factor: 0.15 - 1" B7 Studs @ 80,000 psi Contact Stress

#### JET-LUBE 550® EXTREME®

**Low "E" Nonmetallic Anti-Seize & Thread Lubricant** - 550 EXTREME is a low-emission premium compound. Its homogeneous composition provides maximum protection against seizure and heat freeze, easing both assembly and disassembly. 550 EXTREME assures protection against rust, oxidation, and corrosion. It will not harden, evaporate, or settle out and requires no thinning. In addition to molybdenum disulfide (MoS<sub>2</sub>), graphite, and low friction fillers, 550 EXTREME utilizes a complex grease base fortified with effective rust and corrosion inhibitors, as well as inherent anti-wear properties. When used in tandem with graphite stem packings, it improves compliance with API 622 Low "E" criteria. Additionally, it does not contain VOCs.

- Certifications: Conforms to RAYTHEON spec - M8656839 Type III · Conforms to MIL-PRF-907F
- Application: Threaded Fasteners, Valve Stems, Slides, Fittings, Guides, Keyways
- Service Rating: Select Applications/Services: 2400°F (1316°C) | Brushable to or as a lubricant: -10°F (-23°C) Static Applications: -265°F (-165°C)\*\* ( \*\*Based on component literature data in cryogenic applications.)
- Nut-Factor: 1" Uncoated B7 Studs - 0.15 @ 80 ksi, 0.18 @ 50 ksi, 0.19 @ 30 ksi

## JET-LUBE NIKAL®

**High-Temp Anti-Seize & Thread Lubricant** - NIKAL is a premium anti-seize and gasket compound engineered for extreme temperatures and harsh environments. Upon exposure to high temperatures, its carrier volatilizes and deposits a nickel metallic plating on threaded connections, preventing metal-to-metal contact and guarding against seizing and galling. Formulated with pure nickel flake and nearly inert dispersing solids in a high-quality complex base grease, NIKAL provides unsurpassed protection from rust by water penetration or water wash-off. Its unique solids package forms a matrix of particles that settle in successive layers or "sandwich," acting as a lubricant, cushion, and seal—eliminating the risk of welding under compaction. **NIKAL NUCLEAR** exceeds all purity level standards for nuclear grade products. Used extensively in nuclear power generator facilities on land and sea, where only certified products are allowed.

- Certifications: Conforms to MIL-PRF-907F | (NUCLEAR) Conforms to the requirements of NAVSEAINST 9210.36B
- Application: Burner Tips, Reactor Bolts, Heat Exchangers, Manifolds, Furnace Hinges, Manhole Studs, Pipe Fittings
- Service Rating: -65°F to 2600°F (-54°C to 1427°C)
- Nut-Factor: 0.15 Carbon Steel Alloy @ 60,000 PSI Contact Stress

## JET-LUBE MP-50™

**Moly Paste** - MP-50 is trusted by OEM valve manufacturers. It's specially formulated for extreme high-load applications and delivers superior protection in high-pressure and high-temperature environments. MP-50 is highly saturated with molybdenum disulfide (MoS<sub>2</sub>) in a thick, non-melt grease base for exceptional stay put properties. It provides a low-friction shield, lowering bearing temperatures, protecting working parts while preventing galling, seizure, stick-slip, and heat-freeze.

- Application: Valve Stems, Flange Equipment, Structural Bolts
- Service Rating: -300°F to 750°F (-185°C to 400°C)
- Nut-Factor: 0.11 High Chrome Alloys @ 60,000 PSI Contact Stress

## ONLINE LEAK SEALING

### DEACON CV-600

**Injectable Sealant** - CV-600 is Deacon's #1 seller for Steam & General Service. It is a heat-curing, fiber-reinforced sealant designed for steam, boiler feed water, hydrocarbons, and high-pressure leaks. CV-600 offers superior bridging capability and reliable sealing in tough conditions.

- Application: Steam, Boiler Feed Water, Condensate, Hydrocarbons, Plugging Holes, Wire Wraps, High Pressure, Bad Blows
- Service Rating: 250°F to 950°F (121°C to 510°C)

### DEACON 325

**PTFE Injectable Sealant / Packing** - 325 is Deacon's #1 selling PTFE Sealant. It contains 100% PTFE (fibers, fillers, and particles). 325 provides exceptional resistance to most solvents and acids (Not for use on oxidizing chemicals).

- Application: Valves, Flanges, Enclosures
- Service Rating: -25°F to 500°F (-31°C to 260°C)

### DEACON 427

**Two-Part Epoxy** - 427 is a pourable epoxy system designed for void fill applications. It fully cures to a strong, hard, corrosion-resistant solid at room temperature (65°F to 70°F / 18°C to 21°C) in 24 hours and hardens in 6-8 hours. Heat curing can accelerate set up time and increase temperature resistance. 427 is available in liquid or fiber mix. 427 provides superior protection against caustics, acids, fuels, and solvents. Not recommended for active leaks.

- Application: Void Fill, Concrete Stabilization, Caustics, Acids, Fuels, Solvents (Not recommended on oxidizers)
- Service Rating: Up to 400°F (204°C)

## PIPE MAINTENANCE/REPAIR

### DEACON ROCKET WRAP®

#### Heavy-Duty Carbon Fiber Composite Wrap -

ROCKET WRAP is an innovative pipe repair system for internal and external corrosion, erosion, stress cracking, direct leaks, soft spots, microbial-induced corrosion (MIC), and general industrial leak repair. Crafted with precision engineering, ROCKET WRAP products are built to endure extreme temperatures, pressures, and harsh chemicals. They can be installed with minimal to zero downtime, and no demolition or new permits are required.

- Certifications: ASME PCC-2 and ISO 24817 Certified · Conforms to API 653, DOT, and ASME B31 standards
- Application: Piping
- Service Rating: Max Service: Type A = 487°F (253°C) · Type B = 469°F (243°C)
- Ply Thickness: 0.026 in
- Tack Free Time: 77°F (25°C) | 4 hours

### DEACON SEAL WRAP™

#### Heavy-Duty Water-Activated Fiberglass Wrap -

SEAL-WRAP's pipe wrap system is designed to tackle pipe-related challenges. From fast and slow-cure reinforcements to high-temperature resilience, SEAL-WRAP ensures pipes, tanks, and pressure vessels are fortified, sealed, and maintained. It is commonly used as an additional barrier to prevent sealant breaches in thin wall piping during the installation of leak repair clamps or enclosures.

- Application: Piping
- Service Rating: Service: up to 425°F (218°C) Application: up to 200°F (93°C)
- Ply Thickness: 0.015 in
- Cure Time: 77°F (25°C) | 15 minutes

### DEACON 3300

**Extruded Gasket Compound** - 3300 is a putty-like joint sealant that can be used with or without a fabricated gasket. This eliminates the need to stock various gasket sizes and types. It is fully compressible to 0.002 and conforms to surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for a gasket replacement, 3300 provides a leak-free seal on both similar or dissimilar mating surfaces in steam, hot air, or various chemical environments. It's particularly well-suited for applications involving pipeline or containment vessels that direct the flow of numerous industrial substances in gaseous, liquid, or solid form. Once cured, 3300 achieves a flexible, leather-like consistency and will not bond joints together.

- Application: Flange Surfaces - Ducts, Heat Exchangers, Blowers, Pumps, Access Doors, Compressors, Boilers, Stacks, Exhaust Systems, Pressure Vessels, Turbines
- Service Rating: 600°F to 1600°F (315°C to 871°C), Up to 1500 psi (103 Bar)

### DEACON 8875-THIN

**Thermal Reactive Paste Sealing Compound** - 8875-THIN is a heat-curing paste sealant designed for flange faces, gaskets, and threads in extreme temperature environments. Designed for the most extreme temperature applications, 8875-THIN will form a mechanical-type seal that is unaffected by thermal cycling in hot air, steam, hydrocarbons, and various chemical environments. It flows to fill small voids and surface irregularities, creating a secure seal between the flange and gasket while prolonging gasket life. 8875-THIN allows easy disassembly without cementing flanges or threads together.

- Application: Threaded Fittings, Exhaust Systems, Turbines, Ductwork, Metal-to-Metal Joints, Pump Casing, Gaskets, Boilers, Access Doors, Steam Traps, Stacks, Heat Exchangers, Pressure Vessels
- Service Rating: 150°F to 1800°F (65°C to 982°C), Up to 5,000 psi (345 Bar)

## TOOLBOX ITEMS

- Applications: General Maintenance

### JET-LUBE JET-RED™

**Premium Multipurpose Grease** - JET-RED is a versatile, high-temperature lithium complex grease designed to meet a wide range of lubrication needs. It offers superior protection in environments with dirt, dust, high humidity, rain, snow, and extreme temperatures due to its high dropping point and exceptional resistance to heat, water, oxidation, and heavy loads. This multipurpose grease is specially formulated to provide lubrication for bearings, journals, and other greasing applications. Its versatility makes it ideal for use in oil drilling, construction, road building, mining, shipbuilding, and any other application that requires high-quality lubrication.

- Service Rating: (EP 1) -10°F to 300°F (-23°C to 149°C) | (EP 2) 0°F to 400°F (-18°C to 204°C)



### JET-LUBE CLEAN-UP™ PLUS (Aerosol)

**Citrus Degreaser** - CLEAN-UP PLUS is formulated with a blend of safe, organic solvents that quickly dissolve and rinse away dirt, grease, grime, oil, tar, and wax while being both environmentally safe and ozone friendly. It works instantly on contact, breaking down and dissolving even the most stubborn contaminants without the use of fluorinated, chlorinated, or SARA-listed ingredients. CLEAN-UP PLUS slowly evaporates while cleaning, leaving surfaces residue-free. CLEAN-UP PLUS is safe for use on all metals and most plastics. Also available in Bulk form.

- Certifications: NSF C1 Registered
- Service Rating: Dielectric strength >29 KV

### JET-LUBE 769 LUBRICANT® (Aerosol)

**Multipurpose Lubricant & Penetrant** - 769 LUBRICANT is industry-leading and designed to penetrate, lubricate, displace moisture, and prevent corrosion in harsh environments, including salt water and salt spray exposure. It provides superior performance while being environmentally safe, easy to use and non-flammable. Also available in Bulk form.

- Certifications: NSF H2 Registered • Meets or exceeds MIL-PRF-81309H (Aerosol) Type II & III Class II, CO2 Grade MIL-PRF-81309H (Bulk) Type II & III, Class I MIL-C-16173E Grade 3 MIL-C-23411A VV-P-216B CID A-A-50493C Class B Type I

### JET-LUBE WRL™ (Aerosol)

**Wire Rope and Chain Lubricant** - WRL coats the internal strands of wire ropes, preventing friction and wear, resulting in longer life and less downtime for rope changes. It quickly penetrates to the cores to ensure that the rope is lubricated throughout while providing a non-drying, non-tacky film on the outside of the rope that protects outer strands from corrosion, as well as lubricating the wire rope drums and sheaves. WRL can also be used to lubricate chains, leaf springs, and other applications where penetrating oil is needed. Also available in Bulk form.

- Service Rating: -25°F to 350°F (-32°C to 175°C)

### JET-LUBE PETRO-TAPE™

**Heavy-Duty Industrial Grade PTFE Thread Seal Tape** - PETRO-TAPE is a multipurpose, rugged, inert, and highly resistant tape. It's impervious to steam, salt water, air, fuels, refrigerants, acids and alkalis (including sulfuric, hydrochloric, nitric, sodium hydroxide and chromic), solvents (including kerosene, aircraft oils, gasoline, diesel, carbon tet. and cleaning fluids), gases (including liquid and gaseous oxygen, ammonia, freon, chlorine, propane, natural gas, butane, acetylene and nitrogen). PETRO-TAPE is ≥3-mil thick and contains a light green pigment for easy identification. PETRO-TAPE's purpose is to seal threaded connections <3" to prevent leaks.

- Certifications: Conforms to MIL-T-27730A • Canada ULC Listed
- Service Rating: -400°F to 500°F (-240°C to 260°C)

### JET-LUBE JET-LOK® III

**Zinc-Free Threadlocker / Two-Part Epoxy** - JET-LOK III contains nonmetallic fillers that can be used to permanently lock threaded connections under normal operating conditions. It uses a new catalyst for added pot life and durability with lower toxicity and less heat generation, making it the optimum choice for its recommended applications. It is specially designed for use on all threaded joints or fasteners where an exceptionally strong and durable bond is required. Ideal for drilling tools, casing, and other tubulars where the effective prevention of joint loosening is required. JET-LOK III's purpose is to sustain engagement on thrust and pullback.

- Service Rating: service up to 400°F (204°C)
- Friction Factor: 0.9 - 1.0 Rotary Shouldered Connections | 1.3 - 2.0 \*Noninterference (T&C)
- Cure Time: 1 hour



Trust **JET-LUBE®** & **DEACON®** for superior protection and peak performance.  
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