


DEACON HIGH TEMPERATURE SEALANTS & SPECIALITY PRODUCTS

Jet-Lube’s DEACON line consists of flange and thread sealants, sealing compounds, injectable packings and specialty products formulated to meet the needs of a diverse range of industries, from iron and steel producers, pulp and paper manufacturers, power generators, pipelines and oil refineries to wastewater treatment plants and petrochemical producers.

These products cover a wide range of pressures, temperatures, process steams and types of equipment.

 Withstands extreme temperatures and conditions



Product #	Description	Rating	PSI
High temperature sealant	DEACON® 770-L Thermal Reactive Liquid Sealing Compound	93°C to 510°C	Up to 11,000
High temperature sealant	DEACON® 770-P Thermal Reactive Paste Sealing Compound	93°C to 510°C	Up to 11,000
High temperature sealant	DEACON® 4011 Thermal Reactive Liquid Sealing Compound	315°C to 732°C	Up to 11,000
High temperature sealant	DEACON® 4011-P Thermal Reactive Paste Sealing Compound	315°C to 732°C	Up to 11,000
High temperature sealant	DEACON® 8875-THIN Thermal Reactive Paste Sealing Compound	65°C to 982°C	Up to 5,000
High temperature sealant	DEACON® 8875 Thermal Reactive Paste Sealing Compound	260°C to 982°C	Up to 5,000
Sealant	DEACON® 3100 Extruded Gasket Compound	93°C to 510°C	Up to 1,500
Sealant	DEACON® 3300 Extruded Gasket Compound	315°C to 871°C	Up to 1,500
Sealant	DEACON® 7228 Thread / Gasket Sealant Paste	-32°C to 232°C	Up to 10,000
Sealant	DEACON® 6328 2-Part Rubber Sealant Compound	-45°C to 110°C	
Sealant	DEACON® 327-RTV One-part Acetoxo Cure Adhesive	-51°C to 260°C	
Sealant	DEACON® 329-RED One-part Acetoxo Cure Adhesive	-51°C to 315°C	
Specialty product	DEACON® MOLD-PAC Casting Retainer Putty	Up to 649°C	
Specialty product	DEACON® 427 2-Part Epoxy	21°C to 204° C	
Specialty product	DEACON® PFPE GREASE Chemically Inert Lubricant	-18°C to 260°C	
Specialty product	DEACON® 275-CHLORINE Chemically Inert Thread Sealant	-45°C to 204°C	Up to 10,000

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DEACON HIGH TEMPERATURE SEALANTS & SPECIALITY PRODUCTS

HIGH TEMPERATURE SEALANTS - MRO / OEM PRODUCTS FLANGE AND THREAD SEALANTS

DEACON® 770-L

Thermal Reactive Liquid Sealing Compound

DEACON 770-L is a heat curing liquid sealant that is used in high temperature and high pressure applications. Specially designed to be a thread sealant or gasket dressing, 770-L will flow to fill small voids and surface irregularities. The proprietary formulation allows 770-L to be used as the only sealant on low-tolerance metal-to-metal joints. 770-L will not cement the joints together or interfere with future repairs. In the presence of heat, 770-L will form a mechanical-type seal against steam, oils, solvents, hydrocarbons and a variety of chemicals.

Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, steam traps and pressure vessels.

Rating: 93°C to 510°C, up to 11,000 psi

DEACON® 770-P

Thermal Reactive Paste Sealing Compound

DEACON 770-P is a heat curing paste sealant that is used in high temperature and high pressure applications. Specially designed to be a flange or thread sealant, 770-P can also be used as a dressing on any type of traditional fabricated gasket. Unaffected by thermal cycling, 770-P will not cement joints together or interfere with future repairs. In the presence of heat, 770-P will form a mechanical-type seal against steam, oils, solvents, hydrocarbons, and a variety of chemicals.

Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, access doors, steam traps, stacks, heat exchangers and pressure vessels.

Rating: 93°C to 510°C, up to 11,000 psi

DEACON® 4011

Thermal Reactive Liquid Sealing Compound

DEACON 4011 is heat curing liquid sealing compound used in high temperature and high pressure applications. In the presence of heat, 4011 will form a mechanical-type seal that is unaffected by thermal cycling. This compound will not cement joints together so, it will not interfere with future repairs of metal-to-metal joints. 4011 will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, oil, or various chemical environments.

Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, steam traps and pressure vessels.

Rating: 315°C to 732°C, up to 11,000 psi

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HIGH TEMPERATURE SEALANTS - MRO / OEM PRODUCTS FLANGE AND THREAD SEALANTS

DEACON® 4011-P

Thermal Reactive Paste Sealing Compound

DEACON 4011-P is a heat curing paste sealing compound used in high temperature and high pressure applications. In the presence of heat, 4011-P will form a mechanical-type seal that is unaffected by thermal cycling. This compound will not cement joints together, so it will not interfere with future repairs of metal-to-metal joints. 4011-P will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, oil, or various chemical environments.

Applications: Threaded fittings, turbine split casing, any metal-to-metal joints, pump casing, leaking gaskets, boilers, access doors, steam traps, stacks, heat exchangers, and pressure vessels.

Rating: 315°C to 732°C, up to 11,000 psi

DEACON® 8875-THIN

Thermal Reactive Paste Sealing Compound

DEACON 8875-THIN is a heat curing paste sealant for flange faces, gaskets, and threads. 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. 8875-THIN will not cement the flanges or threads together, allowing easy disassembly for future repairs. 8875-THIN will flow to fill small voids and surface irregularities, thus, creating a seal between the flange and gasket all while prolonging the life of the gasket.

Applications: Threaded fittings, exhaust systems, turbines, ductwork, any metal-to-metal joints, pump casing, gaskets, boilers, access doors, steam traps, stacks, heat exchangers, and pressure vessels.

Rating: 65°C to 982°C, up to 5,000 psi

DEACON® 8875

Thermal Reactive Paste Sealing Compound

DEACON 8875 is a thick, fibrous, heat curing paste sealant and refractory hybrid designed for extreme temperature applications. In the presence of heat, 8875 will expand and form a mechanical-type seal that is not weak and brittle like ceramics. While 8875 expands, it will flow to fill any surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for use as a gasket dressing or to replace a gasket, 8875 will not cement the flanges together or interfere with future maintenance. On any application involving pipeline or containment vessels, 8875 will achieve a leak-free seal against hot air, steam, hydrocarbons and various chemical environments.

Applications: Exhaust systems, turbines, ductwork, any metal-to-metal joints, gaskets, access doors, heat exchangers and pressure vessels.

Rating: 260°C to 982°C, up to 5,000 psi

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DEACON HIGH TEMPERATURE SEALANTS & SPECIALITY PRODUCTS

SEALANTS SEALING COMPOUNDS

DEACON® 3100

Extruded Gasket Compound

DEACON 3100 is an extruded putty-like joint sealant that can be used with or without a fabricated gasket, thus eliminating the need to inventory various gasket sizes and types. 3100 is fully compressible to 0.002 and will conform to any surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for a gasket replacement, 3100 will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, or various chemical environments. It's well suited for use on any application involving pipeline or containment vessels that direct the flow of numerous industrial substances in gaseous, liquid, or solid form. 3100 cures to a flexible leather-like consistency and will not cement joints together.

Applications: Flange surfaces on ducts, heat exchangers, blowers, pumps, access doors, compressors, boilers, stacks, exhaust systems, pressure vessels, and turbines.

Rating: 93°C to 510°C, up to 1500 psi

DEACON® 3300

Extruded Gasket Compound

DEACON 3300 is an extruded putty-like joint sealant that can be used with or without a fabricated gasket, thus eliminating the need to inventory various gasket sizes and types. 3300 is fully compressible to 0.002 and will conform to any surface pits, steam cuts, or gaps caused by irregularities or warpage. Ideal for a gasket replacement, 3300 will achieve a leak-free seal on similar or dissimilar mating surfaces in steam, hot air, or various chemical environments. It's well suited for use on any application involving pipeline or containment vessels that direct the flow of numerous industrial substances in gaseous, liquid, or solid form. 3300 cures to a flexible leather-like consistency and will not cement joints together.

Applications: Flange surfaces on ducts, heat exchangers, blowers, pumps, access doors, compressors, boilers, stacks, exhaust systems, pressure vessels, and turbines.

Rating: 315°C to 871°C, up to 1500 psi

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DEACON HIGH TEMPERATURE SEALANTS & SPECIALITY PRODUCTS

SEALANTS SEALING COMPOUNDS

DEACON® 7228

Thread / Gasket Sealant Paste

DEACON 7228 is a viscous paste sealant designed for use on threaded fittings, flanges, and gasket applications. Slow drying and flexible setting, 7228 improves reliability, extends gasket life and stops leakage. It's ideal for applications involving heat transfer fluids, natural gas, water, sour service fuel gas, motor oil, gasoline, steam, ethylene glycol, various hydrocarbon gases and other chemical processes.

Applications: NPT connections, compressors, valve cover gaskets, wellhead flanges, hose connections, pump casings, mud motor threads, and any metal-to-metal joints.

Rating: -32°C to 232°C, up to 10,000 psi

DEACON® 6328

2-Part Rubber Sealant Compound

DEACON 6328 is a two-part rubber sealant compound with strong adhesion and excellent dielectric properties. Cures in 30 minutes at 70°F (21°C) and remains flexible. Chemically resistant to gasoline, solvents, transformer oil, hydrocarbons, alcohols, sodium hydroxide (50%), HF acid (under 25%) and water. 6328 provides a flexible rubber seal where standard silicone caulks cannot perform due to harsh chemical environments.

Applications: Threaded connections, compressors, pump casings, ducts, access doors, gearboxes, and any mating surfaces.

Rating: -45°C to 110°C

DEACON® 327-RTV

One-part Acetoxy Cure Adhesive

DEACON 327-RTV is suitable for general industrial sealing and adhesive applications. This one-part rubber sealant will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces. 327-RTV has good resistance to weathering, vibration, moisture, and ozone. Meets or exceeds the following specifications: USDA for use in federally inspected meat and poultry plants. FDA Regulation No.21 CFR 177.2600, TT-S-00230C (COM-NBS) Class A, and TT-S-001543A (COM-NBS) Class A, Canadian 19-GP-9MA Type 1 and MIL-A-46106.

Applications: Ducts, cracks, vents, fixtures, piping, door joints, machinery compartments, electrical controls, motors, fans, oven doors, appliances, formed-in-place gasket for gearboxes, compressors, and pumps.

Rating: -51°C to 260°C

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SEALANTS SEALING COMPOUNDS

DEACON® 329-RED

One-part Acetoxy Cure Adhesive

DEACON 329-RED is suitable for general industrial sealing and adhesive applications. This one-part rubber sealant will adhere to clean metal, glass, many types of wood, silicone resins, vulcanized silicone rubber, ceramics and plastic surfaces. 329-RED has good resistance to weathering, vibration, moisture, and ozone. Meets or exceeds the following specifications: USDA for use in federally inspected meat and poultry plants. FDA Regulation No.21 CFR 177.2600, TT-S-00230C (COM-NBS) Class A, and TT-S-001543A (COM-NBS) Class A, Canadian 19-GP-9MA Type 1 and MIL-A-46106.

Applications: Ducts, cracks, vents, fixtures, piping, door joints, machinery compartments, electrical controls, motors, fans, oven doors, appliances, formed-in-place gasket for gearboxes, compressors, and pumps.

Rating: -51°C to 315°C

SPECIALTY PRODUCTS

DEACON® MOLD-PAC

Casting Retainer Putty

DEACON MOLD-PAC is an asbestos-free damming, molding and positioning putty. It's designed for vibration suppression, positioning delicate parts, or as a damming compound for pouring Babbitt, epoxies, dielectric fluids*, and various molten materials**. MOLD-PAC remains flexible, is easily packed in place, holds tight, can be quickly removed, and reused. *MOLD-PAC EDM is recommended for mineral oil and other dielectric fluids. **MOLD-PAC HD is recommended for molten zinc.

Applications: Suppressing vibration on parts during fabrication, crushers, wire EDM, damming zinc, retaining a pool of epoxy, pouring Babbitt bearings, and filling voids.

Rating: Up to 649°C

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SPECIALTY PRODUCTS

DEACON® 427

2-Part Epoxy

DEACON 427 Two Part Epoxy has a one to one mix ratio and cures at room temperature, 65°F (18°C) to 70°F (21°C), within 24 hours. Heat curing is also an option for faster set up time and increased temperature resistance. Available in liquid mix (pourable), medium mix (pumpable), or fibered mix (trial on). 427 offers unsurpassed strength and chemical resistance to acids, caustics, fuels and various harsh chemicals. This solvent-free epoxy has low shrinkage characteristics, while maintaining an ultimate tensile strength of 7,500 PSI (liquid mix).

Applications: Filling voids, corrosion resistance, concrete stabilization, and joint locking.

Rating: 70°F (21°C) to 400°F (204° C).

DEACON® PFPE GREASE

Chemically Inert Lubricant

DEACON PFPE GREASE is a nonflammable, nontoxic, PTFE thickened perfluorinated polyether fluid that provides optimum oxidation resistance at temperatures up to 500°F (260°C). PFPE GREASE has unmatched chemical and solvent resistance, excellent electrical and radiation resistance, and is compatible with nearly all elastomers and plastics. Due to its extreme resistance, PFPE GREASE can be utilized in such services as oxygen and chlorine where other lubricants would spontaneously combust as well as gasoline, benzene, and xylene, that easily wash away other lubricants.

Applications: Oxygen systems, o-ring lubrication and protection, food processing canning and textile equipment, valve, gasket and bolt applications with rail cars, equipment lubrication, cryogenic apparatuses, and pneumatic systems.

Rating: 0°F (-18°C) to 500°F (260°C).

DEACON® 275-CHLORINE

Chemically Inert Thread Sealant

DEACON 275-CHLORINE is a non-hardening, non-reactive, hydrocarbon free, self-lubricating thread sealant. Formulated to be corrosion inhibiting, non-migrating, and odorless, 275-CHLORINE contains no solvents and has excellent anti-seize properties. It's designed for use on chlorine, aggressive chemicals, and powerful oxidizers.

Applications: Threads on chlorine systems, pumps, valves, medical equipment, and other apparatuses.

Rating: -50°F (-45°C) to 400°F (204°C), Up to 10,000 psi (689 Bar).

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