

## 770-L-SS

**Description:** Deacon 770-L-SS is a thermal reactive liquid sealing compound that is used in high temperature and high pressure applications. In the presence of heat, Deacon 770-L-SS will form a mechanical (“mechanical type”) seal. Deacon 770-L-SS will not cement threads or flanges together, thus it will not interfere with future repairs of metal-to-metal joints. Deacon 770-L-SS is unaffected by thermal cycling.

**Temperature Range:** 200°F to 1350°F.

**Test Report:** Batch Analysis Report for halogens, sulfur, and low melting point metals provided for Deacon 770-L-SS.

**Recommended Applications:** Deacon 770-L-SS is specifically designed for use on stainless steel. Deacon 770-L-SS can be used as a gasket dressing to improve the sealing capability of standard gaskets. Deacon 770-L-SS can also be applied to many types of gaskets (including spiral wound) to reseal them, thereby prolonging their useful life. Deacon 770-L-SS can be used as the only sealant on low tolerance metal-to-metal joints. Deacon 770-L-SS is applied to the sealing surface in a complete, uniform, thin coating. The coating need not be very wide, because the product will flow under compression.

**Typical Applications:** Stainless Steel Joints, Turbine Split Casing, Any Metal to Metal Joints, Boiler Doors, Leaking Gaskets, Stacks, Flanges, Threaded Fittings, Heat Exchangers, Steam Traps, Gasket Dressing, Sight Glasses, Nuts and Bolts, Pressure Vessels.

**FOR INDUSTRIAL USE BY PROFESSIONALLY TRAINED PERSONNEL ONLY.**

CONSULT MSDS & TECH SHEET FOR ALL SAFETY, TECHNICAL, & WARRANTY INFORMATION BEFORE USE.

**NOT RECOMMENDED FOR USE ON NUCLEAR APPLICATIONS**

Disclaimer: The information & recommendations of Jet-Lube LLC / Deacon concerning these products is based upon laboratory tests, customer feedback, and experience and to the best of our knowledge and belief are true and accurate. As the conditions of use are beyond the control of Jet-Lube LLC / Deacon, the company assumes no liability for damage caused by this product other than the replacement of the product or refund of the purchase price. The responsibility for determining whether or not the product is suitable for use rest solely with the purchaser. Jet-Lube LLC / Deacon recommends that the product be tested prior to use. This product is intended for a temporary repair and no agent, representative or employee of the company is authorized to alter this provision which relates to goods delivered, whether sold, delivered as samples or otherwise.

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- Features:** Ease of application. Achieves seal before full cure. Fast, easy repairs. High pressure tolerance, high temperature tolerance & high chemical resistance. Unaffected by thermal cycling. Improves the sealing capability of standard gaskets. Seals flange irregularities (scratches, warpage, cuts, pits).
- Shelf Life:** Two years in closed containers
- Packaged:** Pint, Quart
- Instructions:**
1. Surface should be clean and dry (free from oil or foreign material to ensure proper sealing/adhesion)
  2. Apply a thin coat to sealing surface (if sealing threads, apply only to the male threads)
  3. Close and tighten joint (torqued to the equipment manufacturer's specifications if sealing a bolted flange)
  4. Product will cure in service with heat (**See Note**)
- Note:** In high pressure applications or when pressure testing at ambient, it is recommended to pre-cure with a heat gun, oven, or to dry fire / blow down at atmospheric (running heat without pressure). Unlike silicone or epoxy products, our thermosetting sealants require heat to cure.

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**Curing:**

The chart below is a general guideline for the time required for a full cure at various temperatures. A seal will be achieved before a full cure is reached.

500°F	4 hrs
600°F	2 hrs
700°F +	<1 hr

\* For applications under 500°F, we recommend using Deacon 10-A Accelerator to reduce the cure time. When using Accelerator, a full cure can be achieved at 200°F in 3 hrs.

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