770-L

DESCRIPTION

Deacon 770-L is a thermal reactive liquid sealing compound that is used in high temperature and high-pressure applications. In the presence of heat (200ºF+), Deacon 770-L will form a mechanical ("mechanical type") seal. Deacon 770-L will not cement the flanges together, thus, it will not interfere with future repairs of metal-to-metal joints. Deacon 770-L is unaffected by thermal cycling.

TEMPERATURE RANGE

200ºF to 950ºF. Customer feedback report applications in use from 100ºF to 1300ºF +.

RECOMMENDED APPLICATIONS

Deacon 770-L can be used as gasket dressing to improve the sealing capability of many gaskets. Deacon 770-L can also be applied to many types of gaskets (including spiral wound) to reseal them, thereby prolonging their useful life. Deacon 770-L can be used as the only sealant on low-tolerance metal-to-metal joints.

Deacon 770-L is brushed onto the sealing surface in a complete, uniform, thin coating. Note: Deacon 770-L will flow filling small voids, and surface irregularities creating a seal between the gasket and the flange surface where most leak problems initiate.

TYPICAL APPLICATIONS

Turbine Split Casing, Any Metal to Metal Joints, Pump Casing, Leaking Gaskets, Boilers, Threaded Fittings, Doors, Steam Traps, Stacks, Sight Glasses, Flanges, Nuts & Bolts, Heat Exchangers, Pressure Vessels.

FEATURES

Ease of application. Achieves seal before full cure. Fast, easy repairs. High-pressure tolerance, high temperature tolerance, and high chemical tolerance. Solvents, Oils, Steam, Liquors, Hydrocarbons. Creates a mechanical seal. High wear resistance. Unaffected by thermal cycling. Applications as a gasket dressing. Deacon 770-L improves the sealing capability of many gasket materials.

SHELF LIFE

Two years in unopened containers.

PACKAGING

Pint Brush Top, Quart, Gallon.

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 with brush (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.

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..

200°F	36 hrs
300°F	12 hrs
400°F	8 hrs
500°F	3 hrs
600°F	2 hrs
700°F +	1 hr or less

* The cure rate of Deacon 770-L can be enhanced by using Deacon 103-L or Deacon 103-P Accelerator for applications under 600ºF. With Accelerator, a full cure would be expected in 2-3 hours at 250ºF or 30-60 minutes at 400ºF.

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CONSULT SDS & TECH SHEET FOR ALL SAFETY, TECHNICAL, & WARRANTY INFORMATION BEFORE USE. **NOT RECOMMENDED FOR USE ON NUCLEAR APPLICATIONS**

LIMITED WARRANTY

For warranty information please visit http://www.jetlube.com/pdf/Limited_Warranty_At_Delivery_Deacon.pdf You can also email us at sales@deaconindustries.com or write to the Sales Department at the address below.