

DEACON

4011

Description:

Deacon 4011 is a thermal reactive liquid sealing compound that is used in high temperature and high pressure applications. In the presence of heat, Deacon 4011 will form a mechanical ("mechanical type") seal. Deacon 4011 does not cement joints together, thus it will not interfere with future repairs of metal-to-metal joints. Deacon 4011 is not affected by thermal cycling.

Temperature Range:

600°F to 1350°F.

Typical Applications:

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, Stainless Steel Applications, Pressure Vessels.

Recommended Applications:

Deacon 4011 can be used as a gasket dressing to improve the sealing capability of standard gaskets. Deacon 4011 can also be applied to many types of gaskets (including spiral wound) to reseal them, thereby prolonging their useful life. Deacon 4011 can be used as the only sealant on low tolerance metal-to-metal joints. Deacon 4011 is brushed onto the sealing surface in a complete, uniform, thin coating. The coating need not be very wide, because the product will flow under compression.

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).

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Shelf Life: Two years in closed containers

Packaged: 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.

500°F	4 hrs
600°F	2 hrs
700°F +	<1 hr

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