



Product Description

Vibra-Tite 488 is a thermal reactive paste sealing compound that is used in high temperature and high pressure applications. In the presence of heat, Vibra-Tite 488 will form a mechanical (“mechanical type”) seal. Vibra-Tite 488 does not cement joints together, thus it will not interfere with future repairs of metal-to-metal joints. Vibra-Tite 488 is not affected by thermal cycling.

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

Vibra-Tite 488 can be used as a gasket dressing to improve the sealing capability of standard gaskets. Vibra-Tite 488 can also be applied to many types of gaskets (including spiral wound) to reseal them, thereby prolonging their useful life. Vibra-Tite 488 can be used as the only sealant on low tolerance metal-to metal joints. Vibra-Tite 488 is applied 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).

Shelf Life

Two years in closed containers.

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 or putty knife (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

Storage

Product should be stored in a cool and dry location at temperatures between 14°F (-10°C) to 86°F (30°C). Shelf life is 2 years from date of manufacture when stored at 72±8°F (22±4°C).