

# COPALTITE

HIGH TEMPERATURE SEALANT



EC-COPL050Z01



EC-COPC050Z01

## Description:

COPALTITE is the leading high temperature, high pressure sealant on the market today. It comes in two forms: **Liquid** and **Cement**.

The **Liquid** form is used for sealing threads and machined connections to obtain close tolerances. The **Cement** form is used on rough or scored surfaces. Both the Liquid and Cement comes in a 5 ounce tube or a 1 quart can. Standard box packaging: 36 tubes or 6 cans.

Although normally used without a gasket, it makes an excellent gasket dressing for flanges and other fittings to be used at high temperatures and pressures. Copaltite high pressure sealing compound is unexcelled.

# Technical Data

- Temperature range : -315 ° F - 1500 ° F
- Pressure range Flanges without gasket : 6.500 PSI
- Pressure range threaded joints : 10.000 PSI
- Pressure range steam joints - 1200 ° F : 2.000 PSI
- Navy test requirement 1200 PSI / 950 ° F : MIL-S-1520D
- OSHA OMB 1218 0072 : H3/F2/R1
- Not considered as dangerous goods - transport
- HCC Custom code, Country of Origin : 3214.90.5000 , USA

## Additional information

### Capable of Withstanding :

- Steam joints at 2000 PSI - 1,200 ° F
- Flanges without gaskets up to 6,500 PSI
- Threaded joints holding 10,000 PSI

### Copaltite's Unique Properties Include:

- Effective in temperature range of 315 ° F to 1500 ° F
- Can use heat as catalyst to help cure seal in 15 minutes
- Low shrinkage and coefficient of expansion
- Copaltite sealants enable easy separation of joints after extended use at extremely high temperatures
- Resists most chemicals. Copaltite is used on lines containing steam, ammonia, hydrocarbons, refrigerants, hydraulic fluids, propane, brine, acids and mild alkalis
- Adheres to metals, ceramics, rubber and most plastics
- Withstands severe vibrations and thermal shock
- Completely meets Navy test requirements for use on marine turbines at 1200 PSI and 950 ° F (MIL-S-15204D)
- Copaltite sealants consistently outperform other high pressure and high temperature pipe dopes.

# Additional information

## Some typical uses of Copaltite High Temperature & Pressure sealants:

- Steam Turbines
- Leak repair
- Pressure Vessels
- Compressors
- Refrigeration Lines
- Pressure Gas Lines
- Heat Exchangers
- Boilers
- Condensers
- Hydraulic Systems

## Economical & Ready to Use in these industries & more:

- Power utilities
- Oil
- Steel
- Pulp and Paper
- Heavy Equipment
- Marine
- Chemical
- Aviation
- Automotive



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