



For sealing threads, flanges, and other fittings, to be used at high temperatures and pressures. Copaltite is unexcelled.

Used Successfully On:

- Steam joints at 2000 psi – 1200°F
- Flanges without gaskets up to 6500 psi
- Threaded joints holding 10,000 psi

Economical & Ready to Use In These Industries:

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

Copaltite

High Temperature Sealing Compound

Temperature Range: -315° F to 1500° F

- Copaltite enables easy separation of joints after extended use at 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 stresses.
- Completely meets Navy test requirements for use on marine turbines at 1200 psi and 950° F.

Some Typical Uses:

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



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ESCO PRODUCTS, INC.

Copaltite

High Temperature Sealing Compound

DIRECTIONS FOR USE

- For best results, a very thin coat of Copaltite should be applied. Normally, Copaltite liquid gives sufficient coverage for a perfect seal. However, if surfaces are rough or scored, Copaltite cement can be used.
- Surfaces must be clean and dry. Gasoline or other solvents should be used to remove dirt, grease, and moisture. Apply Copaltite by coating both surfaces lightly. The joint may then be closed and tightened.
- Heat will accelerate the setting up of Copaltite.
- When the joint is to hold high pressure at elevated temperatures, heat should be applied without pressure until the Copaltite is set up. Above 300° F set up requires about 15 minutes – lower temperatures up to 4 hours.
- To remake joints, hardened Copaltite should be removed with a wire brush and alcohol, and fresh Copaltite applied.
- Storage – It is advisable to store Copaltite in a cool place away from heat or sunlight. In the event that a can is opened repeatedly, Copaltite will thicken slightly and thinning may be desired. Shelf life: one year from date of manufacture, at 72° F.
- Thinner – For thinning Copaltite Cement, Copaltite Liquid should be used. To thin Copaltite Liquid, pure alcohol should be used. In no case should turpentine or other thinner be added.
- Copaltite Liquid – A thin, easily spreadable material for use on threaded joints and most machined surfaces.
- Copaltite Cement – Paste-like adhesive for rough or scored surfaces.
- Copaltite Liquid and Copaltite Cement are available in quart cans (2.2 lbs. net) and 5 oz. collapsible tubes.

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