BASE COAT & SLIP COAT

GREASE

Ship Launching Grease System.

APPLICATIONS

- **Base Coat and Slip Coat** launching greases are premium products offering several features and benefits to shipbuilders and offshore drill rig builders.
- **Base Coat and Slip Coat** greases are designed specifically for launching ships, offshore drill rigs, etc., on sliding ways. A one-quarter(1/4) inch layer of **Slip Coat** on a one-quarter(1/4) inch of **Base Coat** will support twenty-five tons per square foot. Dynamic coefficients of friction range from 0.025-0.035 depending on the declivity and loading.
- To use the **Base Coat and Slip Coat** system, the ways must be cleaned of previous coating or lubricants prior to applying the **Base Coat**. The **Base Coat** can then be applied and allowed to cool. Once cooled, the **Slip Coat** is spread on top of the **Base Coat**.

SPECIFICATIONS

- Used since 1916 to launch over 450 ships. Ships include: USS Alaska, USS Roanoke, USS Hawaii, USS North Carolina, USS Alabama, USS Yorktown, USS Missouri, Sovac Pegasus, and the USS Massachusetts. Navy shipyards have used this system for over 35 years. During launching, the US Navy reports, "no decrease in thickness of Base Coat; film of Slip Coat still on Base Coat, even through the pivoting area."

Coverage:

Base Coat comes in 55 lb. blocks and will cover about 55 ft^2 @ 1/4" deep.
Slip Coat comes in 400 lb. drums and will cover about 350 ft^2 @ 1/4" deep.

ADVANTAGES

- **Base Coat** has a high melting point (160^oF)and will not bleed or melt at ambient temperatures. It withstands very heavy loads and will protect steel ways against rust & corrosion. Base Coat is very adhesive and will resist extrusion, squeeze out, cracking, and lift. This product can usually be 50%-90% reclaimed and used again.
- **Slip Coat** is impervious to salt and fresh water and will not wash off in rain or tidal changes. It has a very low coefficient of friction, easily launches on low-declivity ways, and reduces way end-pressures.
- This system does not contain the old, inefficient technology of tallow mixed with stearine or stearic acid followed by a soft soap overlaid with lard oil. No rosin, tallow, or other fillers are added. Typically, 30%-40% less grease is needed than traditional ship launching products.

TYPICAL CHARACTERISTICS	METHODS	BASE COAT	SLIP COAT
Appearance	Visual	Yellow, waxy solid	Yellow-tan paste
Melting Point, ^oF	ASTM D 127	160	180
Viscosity at 210^oF, SUS	ASTM D 445	50	260
Penetration, 50g, 77^oF	ASTM D 217	20	100-120

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