

54,000 DWT CHEMICAL AND PETROLEUM TANKER

Analysis for Product and Labor

1 Cargo Tanks (Interior of Tanks).

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 5.2 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

If non-skid surface is desirable, broadcast aggregate at 3.75 to 4.00 lbs. per 100 sq.ft. over the RUST GRIP HS while wet.

Apply first coat of LINING KOTE 6000 at 250 sq.ft. per gallon (vertical walls/overhead/floor)

6.4 wet mils/ 3.3 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of LINING KOTE 6000 at 250 sq.ft. per gallon.

6.4 wet mils/ 3.3 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply third coat of LINING KOTE 6000 at 250 sq.ft. per gallon (third coat is necessary if tanks may carry acid cargos).

6.4 wet mils/ 3.3 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for twelve (12) days before use with acids.

2 Ballast Tanks (Interior)

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

Apply first coat of LINING KOTE 6000 at 250 sq.ft. per gallon.

6.4 wet mils/ 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of LINING KOTE 6000 at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for ten (10) days before use.

3 Immersed Hull – This is anti-fouling and we do not have history.

4 External Hull (Above Water Line)

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

Apply first coat of ENAMO GRIP II at 250 sq.ft. per gallon.

6.4 wet mils / 4.0 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of ENAMO GRIP II at 250 sq.ft. per gallon.

6.4 wet mils / 4.0 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

5 Ballast Tanks – Double Hull.

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

Apply first coat of LINING KOTE 6000 at 250 sq.ft. per gallon.

6.4 wet mils/ 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of LINING KOTE 6000 at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for ten (10) days before use.

6 Aft / Fore Peaks -- not sure what this is?

7 Cofferdam / Pump Room - not sure if they need fire protection, insulation or sound deadening.

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

For Insulation and Sound Deadening:

Apply SUPER THERM at 100 sq.ft. per gallon.

16 wet mils / 10 dry mils with labor at 20 minutes per 100 sq.ft.

One day to dry at minimum 75 F.

Apply ENAMO GRIP II as the top coat for toughness and cleanliness at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

For Fire Protection, Insulation, and Sound Deadening:

Apply SP 2001F at 3 sq.ft. per gallon.

530 wet mils / 400 dry mils with labor at 1 hour per 100 sq.ft.

Dry for two (2) days with forced heat into the room.

Apply one coat of SUPER THERM at 150 sq.ft. per gallon.

10.5 wet mils / 5.5 dry mils with labor at 20 minutes per 100 sq.ft.

One day to dry at minimum 75 F.

Apply ENAMO GRIP II as the top coat for toughness and cleanliness at 250 sq.ft per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

8 Cargo Slop Tanks.

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

Apply first coat of LINING KOTE 6000 at 250 sq.ft. per gallon (vertical walls/overhead/floor)

6.4 wet mils/ 3.3 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of LINING KOTE 6000 at 250 sq.ft. per gallon.

6.4 wet mils/ 3.3 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply third coat of LINING KOTE 6000 at 250 sq.ft. per gallon (third coat is necessary if tanks may carry acid cargos).

6.4 wet mils/ 3.3 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for twelve (12) days before use with acids.

9 Main Deck

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

Apply first coat of ENAMO GRIP II at 250 sq.ft. per gallon.

6.4 wet mils / 3.0 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of ENAMO GRIP II at 250 sq.ft. per gallon.

6.4 wet mils / 3.0 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

Non Skid Walk Areas:

Prime with first coat of RUST GRIP HS at 100 sq.ft. per gallon.

16 wet mils / 8 dry mils with labor at 60 minutes per 100 sq.ft. per gallon.

Set for four (4) hours or dry enough to walk over.

Broadcast aggregate at 3.75 to 4.00 lbs. per 100 sq.ft. over the RUST GRIP HS while wet.

Apply second coat of RUST GRIP II at 200 sq.ft. per gallon over the aggregate to seal.

Labor at 20 minutes per 100 sq.ft.

Dry overnight.

Apply first coat of ENAMO GRIP at 250 sq.ft. per gallon.

6.4 wet mil / 3.0 dry mils with labor at 20 minutes per 100 sq.ft.

Dry overnight at minimum 75 F.

Apply second coat of ENAMO GRIP at 250 sq.ft. per gallon

6.4 wet mils / 3.0 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

10 Accommodation External – not clear on what they want.

11 Engine Room / ER Casing / Funnel

I am assuming we will treat this in a manner for fire protection, sound, and heat.

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

For Insulation and Sound Deadening:

Apply SUPER THERM at 100 sq.ft. per gallon

16 wet mils / 10 dry mils with labor at 20 minutes per 100 sq.ft.

One day to dry at minimum 75 F.

Apply ENAMO GRIP II as the top coat for toughness and cleanliness at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

For Fire Protection, Insulation, and Sound Deadening:

Apply SP 2001F at 3 sq.ft. per gallon.

530 wet mils / 400 dry mils with labor at 1 hour per 100 sq.ft.

Dry for two (2) days with forced heat into the room.

Apply one coat of SUPER THERM at 150 sq.ft. per gallon.

10.5 wet mils / 5.5 dry mils with labor at 20 minutes per 100 sq.ft.

One day to dry at minimum 75 F.

Apply ENAMO GRIP II as the top coat for toughness and cleanliness at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

12 Machinery Spaces and Stores

Prep:

Power wash with 10,000 psi water blast using citrus cleaner to remove oils and residues.

Labor at 20 minutes per 100 sq.ft.

Development of flash rust is beneficial and will cause no problems.

Prime with RUST GRIP HS at 200 sq.ft. per gallon.

8 wet mils / 4 dry mils with labor at 20 minutes per 100 sq.ft.

Minimum of 4 hours to dry; the following day is fine.

For Insulation and Sound Deadening:

Apply SUPER THERM at 100 sq.ft. per gallon

16 wet mils / 10 dry mils with labor at 20 minutes per 100 sq.ft.

One day to dry at minimum 75 F.

Apply ENAMO GRIP II as the top coat for toughness and cleanliness at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.

For Fire Protection, Insulation, and Sound Deadening:

Apply SP 2001F at 3 sq.ft. per gallon.

530 wet mils / 400 dry mils with labor at 1 hour per 100 sq.ft.

Dry for two (2) days with forced heat into the room

Apply one coat of SUPER THERM at 150 sq.ft. per gallon.

10.5 wet mils / 5.5 dry mils with labor at 20 minutes per 100 sq.ft.

One day to dry at minimum 75 F.

Apply ENAMO GRIP II as the top coat for toughness and cleanliness at 250 sq.ft. per gallon.

6.4 wet mils / 3.1 dry mils with labor at 20 minutes per 100 sq.ft.

Cure for four to five (4-5) days in warm temperatures and seven to ten (7-10) days in cool temperatures before use.