Phenoline® 385/187 VOC

Phenoline 385/187 VOC a high solids polyamine cured modified epoxy phenolic tank lining that provides exceptional long term protection to steel and concrete in a variety of services.

PRODUCT DETAILS Phenoline 385/187 VOC is a polyamine cured modified epoxy phenolic tank lining was expressly developed and tested to be a versatile tank lining for use in a variety of markets. It has excellent resistance to crude oil, fuel, kerosene, gasoline, blended gasoline, and aromatic solvents. It complies with FDA 21 CFR 175.300 criteria for aqueous and dry food contact. It provides excellent performance in wet/dry cycling for under insulation applications to continuous temperatures 400°F (204°C).

APPLICATIONS

CHEMICAL PROCESSING FACILITIES

TANKS AND TERMINALS

POWER INDUSTRY

DI WATER TANKS

OIL AND GAS REFINING

CRUDE OIL STORAGE TANKS

FUEL OIL, JET FUEL, BIODIESEL TANKS

GASOLINE, ETOH BLENDED GASOLINE, SOLVENT STORAGE

FOOD AND FOOD GRADE LIQUIDS

PROCESSING FACILITIES

BEVERAGE STORAGE TANKS

PROCESS PIPING

TRANSPORTATION EQUIPMENT

FEATURES

- High Solids (84% SBV) and Low VOC 1.0 lbs/gal (119 g/l)
- Exceptional resistance to a wide range of chemicals and temperatures
- Excellent for under insulation applications to 400°F (204°C) continuous
- Excellent abrasion and thermal shock performance
- Extensive testing data to aid in recommendations
- U.S. Food and Drug Administration 21 CFR 175.300 for direct aqueous food contact
- Extensive testing data to assure top performance in a variety of exposures
- Self priming and applicator friendly

Phenoline 385/187 VOC

Quality Product Backed by Quality Service

- Carboline has been solving tough corrosion and fireproofing problems since 1947
- Industrial service centers and sales offices located around the world
- Over 20 worldwide manufacturing locations with a global network of sales and technical support
- Industry leading field service and technical engineering support team
- Carboline is an ISO 9001:2015 certified company

Reasons to use Phenoline 385/187 VOC

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Extensive chemical testing data	Recommendations based on testing	Assures top performance and service life of lining
Broad chemical resistance, effective under insulation and FDA compliant	Suitable for a wide variety of uses	One lining for many applications
High solids tank lining	Low VOC and HAPS levels, fewer containers to open, mix and dispose	Saves labor and environmentally compliant

Phenoline 187 VOC Immersion Data

SERVICE	TEMPERATURE
Ammonium Bisulfite 70%	105°F/40°C
Ammonium Phosphate 40%	150F°F/65°C
Ammonium Thiosulfate 60%	150F°F/65°C
Beer	105°F/40°C
Butyl Acetate _ N	105°F/40°C
Calcium Hydroxide 25%	150F°F/65°C
Canola Oil	105°F/40°C
Citric Acid 50%	105°F/40°C
Corn Oil	150F°F/65°C
Corn Syrup	180°F/82°C
Crude Oil	180°F/82°C
Diesel Oil	150F°F/65°C
Ferric Chloride 50%	150F°F/65°C
Aviation Gas	105°F/40°C
Herbicide	105°F/40°C
Kerosene	250°F/121°C

SERVICE	TEMPERATURE
Green Liquor Spent Soda Pulping liquor	105°F/40°C
Magnesium Hydroxide 10%	150F°F/65°C
Mineral Spirits	100°F/38°C
Palm Kernel Oil	150F°F/65°C
Potassium Thiosulfate	105°F/40°C
Sodium Formate 50%	105°F/40°C
Sodium Hydrosulfide	150F°F/65°C
Sodium Hydroxide 50%	150F°F/65°C
Sodium Sulfite 50%	105°F/40°C
Tall Oil	105°F/40°C
Toluene	105°F/40°C
Vegetable Oil	105°F/40°C
Water DI	150F°F/65°C
Water Tap	150F°F/65°C
Wine 8%, 10 %	70°F/21°C
Wine 18%, Port	105°F/40°C
Xylene	150F°F/65°C

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