

MarineLINE® 784

*The industry leading cargo tank coating for
chemical & product tankers, with superior chemical resistance.*

Description

MarineLINE® is the premier cargo tank coating system available for chemical and product carriers, and the only high performance lining that withstands all IMO-approved chemical cargoes. Key benefits include:

- ▶ Withstands all IMO approved chemical cargoes
- ▶ For chemical and product carriers
- ▶ Strong Return on Investment (ROI)
- ▶ Virtually non-permeable for assurance of product purity
- ▶ Faster, easier cleaning
- ▶ Maximum versatility to carry acids, alkalis, solvents, CPPs, PFADs, Bio-Fuels, and Methanol
- ▶ Excellent flex stressing
- ▶ GRAS - Generally recognized as safe for food grade cargoes.
- ▶ FDA compliant
- ▶ Superior chemical resistance compared to stainless steel, phenolic epoxies and zinc silicate coatings
- ▶ Superior bond strength and adhesion
- ▶ Resistance to wear, abrasion and impact
- ▶ Very low VOC - 130 grams/L (1.09 lbs./gal)
- ▶ Thermal shock resistance -40°C to +150°C (-40°F to +302°F).
- ▶ ABS ISO 9001:2015 Certification

A History of Performance

MarineLINE® has been applied to hundreds of maritime chemical and product tankers, covering millions of square meters of surface. The majority of ships coated are over 7 years old with some over 15 years old. MarineLINE® has been applied successfully in major shipyards around the world.

These tankers have carried thousands of different chemicals, including Methanol, Acids, Caustics, Solvents, Inorganic Chemicals, & Edible Oils, with some tankers changing chemical cargoes up to 85 voyages a year. APC coatings withstand the stresses of twisting and bending in rough seas while resisting temperature extremes of the cold Baltic winters to the hot Middle East summers.

The MarineLINE® Solution Utilizes Polymer Technology

MarineLINE® is formulated with a patented polymer, designed and engineered with high functional groups per molecule. When heat cured, MarineLINE® coating forms 3-dimensional, screen-like structures with up to 784 cross-links. This far surpasses epoxies that only deliver 2 functional groups with only 4 cross-links.

This more densely cross-linked molecule structure delivers:

- ▶ Higher Chemical Resistance
- ▶ Higher Temperature Resistance
- ▶ Higher Reactivity at Lower Temperature
- ▶ Higher Resistance to Absorption
- ▶ Greater Toughness
- ▶ Faster Tank Cleaning

Typical Properties (mixed, as supplied)

- ▶ Stock Colors _____ Gray, Red
- ▶ V.O.C. Level/Gal. _____ 130 grams/L (1.09 lbs./gal.)
- ▶ Pot Life _____ 30 minutes @ 75°F (24°C)
- ▶ Viscosity Reduction _____ Reduce with Toluene or Xylene
- ▶ Solids by Volume _____ 85%
- ▶ Recommended System Film Thickness (dry) mils average (Topcoat and Basecoat) _____ Steel: 12 mils (300 microns)
- ▶ Shelf Life _____ 12 months

For product recommendations and technical, application and heat curing information contact Advanced Polymer Coatings' customer service. Contact +1 440-937-6218.



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Operational Benefits Greater Versatility in Switching Cargoes

Choose the right cargo tank coating – MarineLINE® – to take advantage of the greatest sequencing possibilities and the opportunity to carry the most profitable cargoes.

Easy Cleaning and Long Service Life Potential

MarineLINE® has an ultra-smooth, glossy, low-energy surface that reduces venting time, uses less cleaning chemicals, and uses less fuel/energy for cleaning equipment, and leads to faster turnaround.

A wide range of approved cleaning detergents and chemicals can be used to clean and prepare the coating for next cargoes, allowing the shipowner/operator to maintain the coating with minimal effort. Taking care of your MarineLINE® cargo tank coating with proper cleaning and regular maintenance can provide years of profitable service. Well maintained MarineLINE® tanks have been in service for over a decade, and are still performing well. This is clearly illustrated in the photos of tanks at various inspection intervals.



3 Years



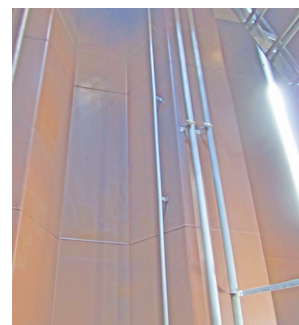
4 Years



5 Years



6 Years



11 Years



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