OneGuard™

ADVANCED POLYMER COATINGS

DESCRIPTION

OneGuard™ is a high-solids, one-coat, direct-to-metal (DTM) hybrid tank lining designed for product and chemical tankers. Engineered to replace traditional multi-coat epoxy systems, OneGuard™ delivers comparable corrosion protection with enhanced mechanical performance in a single application. The formulation combines exceptional flexibility, impact resistance, and hydrophobic barrier properties with a low-VOC profile.

OneGuard™ is applied by conventional airless spray, requires no stripe coat, and cures at ambient temperatures, significantly reducing application steps and turnaround time in drydock. By shortening coating schedules, OneGuard™ enables operators to return vessels to service faster, reducing docking costs and maximizing time in trade.

Property	OneGuard™
Application	One Coat
DFT	450 microns
Touch Dry	5 hours at 20ºC
Service Ready	4 days at 20ºC
Curing	Ambient
Finish	Semi-Gloss
Colors	Red
Volume Solids	93%
Adhesion	2,326 (ASTM D-4541)
Compatibility	Bisphenols according to CRG



OPEX SAVINGS

One of the world's largest owners and operators of product tankers, specializing in the transportation of refined oil products and chemicals, highlighted a critical challenge:

"The issue for ongoing repairs is time. Tank inspection takes 2–3 days, plus repair time, and for CPP trade, time is a significant concern."

These tankers carry vital commodities like gasoline, jet fuel, naphtha, and diesel oil. OneGuard™ addresses this challenge head-on, with its one-coat application, quick curing, and faster turnaround, saving operators millions of dollars by minimizing downtime and maximizing operational efficiency.



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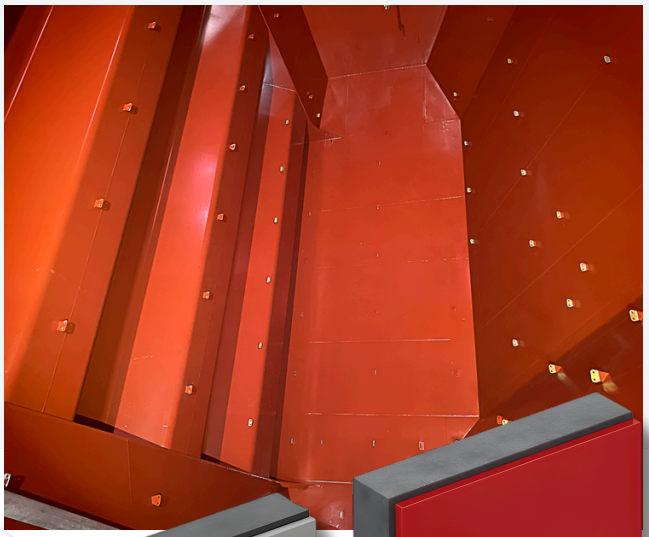
ADVANCED POLYMER COATINGS

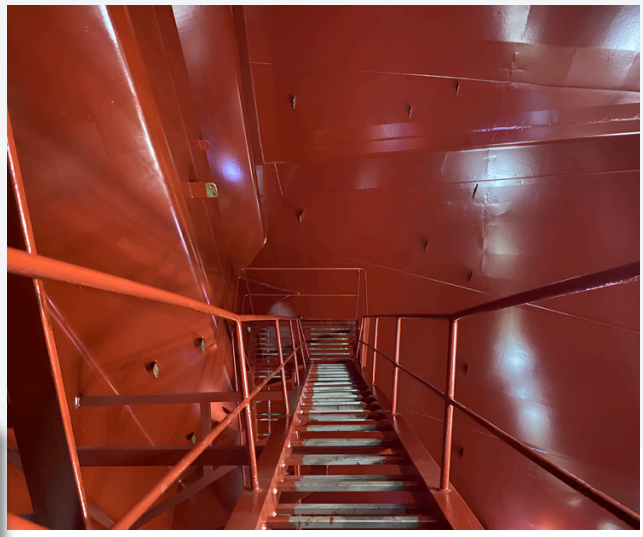
CHEMICAL RESISTANCE

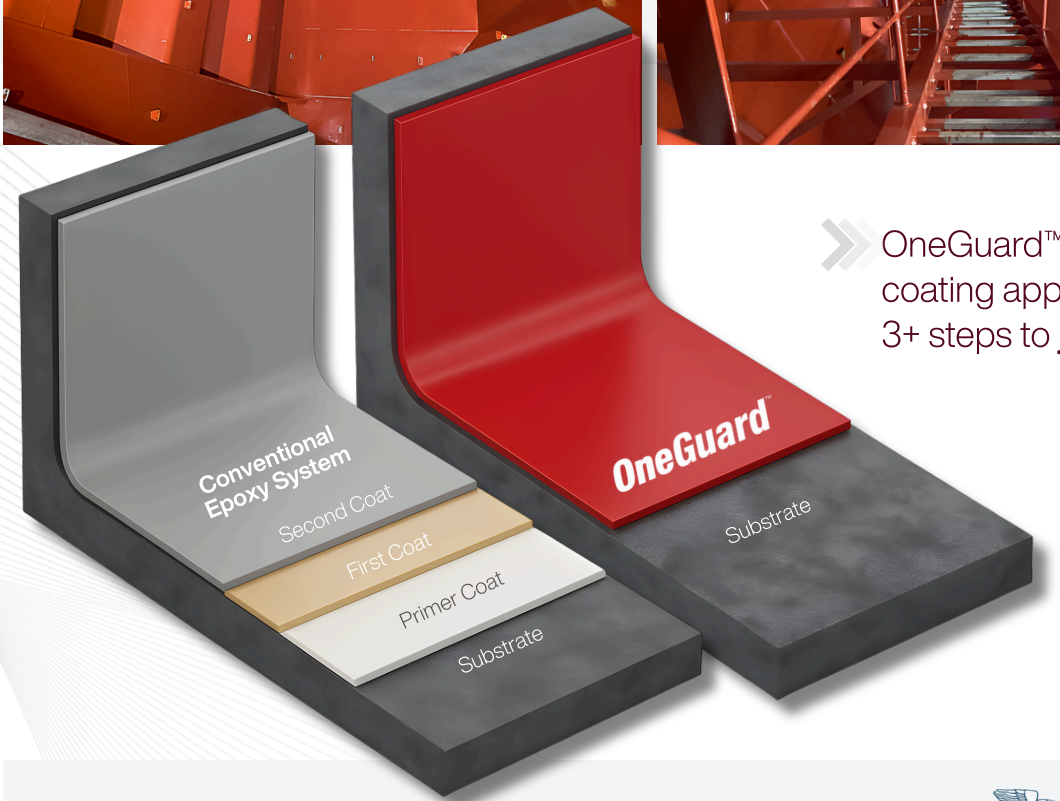
Approved to carry **all** Clean & Dirty Petroleum Products (CPP's & DPP's)

Current CRG chemicals / cargoes tested: 400+

Chemical / Cargo	Resist	Max Temp. (C)
Base Oil	Y	
Crude Oil	Y	
Diesel	Y	
Gasoline	Y	
Jet A1	Y	
Luboil	Y	75
Naphta	Y	
Pygas	Y	
Used Luboils	Y	
Vegetable Oil mixtures (up to 10% free fatty acid)	Y	60







OneGuard™ streamlines coating application from 3+ steps to **just 1.**

OneGuard™ is ABS Product Design Assessment (PDA) approved, providing independent validation from the American Bureau of Shipping that it meets the rigorous safety, performance, and compliance standards required for use in marine and offshore environments.

ABS® FOUNDED 1862