

# Carboguard® 891 VOC



## Ultra-high solids epoxy chemical resistant lining.

**PRODUCT DETAILS** Carboguard 891 VOC is an ultra-high solids epoxy designed as a lining for potable water, demineralized water, wastewater, and many other services. With extremely low VOC emissions, Carboguard 891 VOC meets the NSF/ANSI 61 requirements to line smaller potable water tanks and pipes. Displaying excellent flow properties results in Carboguard 891 VOC having excellent adhesion and application characteristics. These characteristics also make the lining ideal for new construction as well as maintenance projects.

### APPLICATIONS

WATER & WASTEWATER  
PIPELINES & TERMINALS  
POWER  
OIL & GAS

### FEATURES

- › NSF/ANSI 61 compliant for use in potable water tanks, pipes, and valves.\*
- › Meets the FDA requirements for 21CFR 175.300 for direct food contact
- › Meets the requirements of AWWA C210
- › Ultra high solids; low VOC and HAPs
- › Handles deionized water up to 150°F (66°C)
- › Ultra low VOC (67 g/l)
- › Good chemical resistance
- › Excellent thermal shock resistance
- › Good abrasion resistance

\*Contact Carboline Technical Service for approved dimensions. Valid when manufactured at certified location.

# Carboguard 891 VOC

## Quality Product Backed by Quality Service

- › Carboline Company 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
- › Certified to ISO 9001

## Reasons to use Carboguard 891 VOC

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Low leachability	Ability to line small tanks	Easier to install than other products with similar ratings
Low VOC and HAPS	Reduces VOC emissions	Ability to use without concern of HAPS or VOC violations
Good chemical resistance	Increased cargo possibilities	Suitable for potable water and many other services

## Competitive Information on Carboguard 891 VOC

	CARBOGUARD 891 VOC	LEADING COMPETITOR
Chemical type	Polyamine epoxy	Polyamine epoxy
Percent solids	86%	74%
VOC	67 g/l	100 g/l
Coverage per gal at 1 mil DFT	1371	1186
Recoat at 75°F	10 hours	12 hours
Min/max application temperature	50° to 125°F	40° to 100°F
Chemical resistance	Very high	High
Max service temp	250°F Continuous 275°F Non-continuous	Not on data sheet
Abrasion ASTM D4060	83 mg/loss	120 mg/loss
Immersion 150°F DI water	Yes	Not on data sheet



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