

UroShield Bitumastic™

Meets and exceeds all requirements of:

US Corp of Engineers
Specification C-200

MIL-P-23236

SSPC-Paint 16-68T



Item# CT41 Revised: 11/5/2009

Coal Tar Epoxy

Description

UroShield Bitumastic™ is a two component, self-priming, chemically cured, protective tar-based epoxy coating and lining system providing excellent chemical resistance, flexibility, moisture tolerance, and overall corrosion protection.

UroShield Bitumastic™ meets and exceeds all requirements of the U.S. Corp of Engineers Specification C-200, U.S. Government Specification MIL-P-23236 and Society for Protective Coatings paint system SSPC-Paint 16-68T.

Typical Uses

Provides heavy duty protection for exposures in marine (ship hulls, tanks, piling, etc.), petroleum (refinery tanks, piping, offshore structures, etc.), water and sewer treatment structures, and other industries.

When applied at a minimum of 20 mils dry, UroShield Bitumastic™ exhibits excellent resistance when immersed in, or subject to the following environments: Fresh water, sea water, calcium chloride, magnesium sulfate, sodium carbonate, 20% sodium hydroxide, sodium nitrate, aliphatic hydrocarbons, acid solutions, and alcohols:

- Seamless and sealed coating & lining
- Protection against corrosion for steel and concrete, and other substrates

Color

UroShield Bitumastic™ comes standard in Black.

Film Thickness

UroShield Bitumastic™ can be a single coat or a multiple coat system.

UroShield Bitumastic™ can be applied onto a surface at 8 mils (minimum) - 30 mils (maximum) per coat (DFT). For a total coating thickness exceeding 30 mils, multiple coats are necessary.

Theoretical Coverage

UroShield Bitumastic™ is a 76% solid coating. Therefore, the theoretical coverage properties between wet film thickness (WFT) and dry film thickness (DFT) differ.

Eighty-six (86) square feet (sq.ft.) per gallon (gal.) at 15 mils thick (DFT).

Actual coverage will depend on surface conditions, irregularities, and surface profile.

Surface Preparation

Coat only clean, dry surfaces. Remove all grease, oil, dirt or other foreign matter by solvent or detergent washing.

Concrete: Prepare concrete in accordance with SSPC-SP 13/NACE No. 6. "Surface Preparation of Concrete."

Wood: Remove all grease, oil, dirt or other foreign matter by solvent or detergent washing. Prepare wood surface by abrasive sanding and washing (allow to dry and prime using an Epoxytec recommended primer).

Steel: Before preparing steel, please inspect and remove oil, grease, or other contaminants - "Solvent Cleaning" (SSPC-SP1) may be required. Remove all sharp peaks, including weld spatter. Abrasive blasting (or other approved mechanical methods) must be used in order to achieve a clean surface with a minimum profile of 3 mils. To prevent flash rusting, consider the use of an Epoxytec recommended primer.

Mixing: Material is supplied in 2 containers as a unit. Always mix a complete unit as supplied (4B to 1A by volume). Thoroughly mix B Component before adding A Component. Combine entire contents of Part A and Part B and mix thoroughly with a mixing drill for 3-5 minutes.

Thinning: Supplied at spray viscosity, requires no thinning.

Induction Time: None required.



UroShield Bitumastic™



Application Method

Brush, rollers, squeegee, airless/air-assisted airless, and/or plural component spray airless/air-assisted airless equipment.

Packaging

- 5 Gallon Kit (pail) Item# CT41-G5
- 250 Gallon Kit (drums) Item# CT41-D250

Storage and Handling

- Shelf Life 30 months, sealed.
- Storage: Store in a dry area away from direct sunlight. The product should be conditioned to between 70 °F and 85 °F before use.

Safety

Consult the current “Material Safety Data Sheet” for this product before use.

Performance Properties

Mix Ratio	4 to 1 by volume
Vehicle Type	Coal Tar Epoxy
Solids by Volume ASTM D2697	75.8%
Solvent (VOC) ASTM D3960	24.2% Nonvolatiles 81.84%, part A Nonvolatiles 99.84%, part B
Weight / Gallon	10.5 lbs.
Weight Solids	80.1
Weight of Coating	0.9 lbs./mil./sq.ft.
Flash Point ASTM D93	79F, part A none, part B 91F, mixed
Pot Life	2 hr (25C / 200 g mass)
Viscosity (A Component) ASTM D2196	160 poises
Adhesion Strength (concrete) ASTM D4541	Substrate Failure
Complete Cure	18 hours
Temperature Exposure (dry)	-30F - 160F
Temperature Exposure (wet)	-20F - 140F
Recoat Time	2 hr. - 72 hr.



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