

# Carbomastic® 15



**Carbomastic 15 is a surface-tolerant, aluminum filled, epoxy-mastic which has outstanding adhesion to marginally prepared surfaces.**

**PRODUCT DETAILS** Carbomastic 15 is an aluminum pigmented, low-stress, high-solids mastic with outstanding performance properties and proven field history. It has a decided advantage over conventional coatings because it penetrates right through existing rust down to the steel substrate. Carbomastic 15 was the pioneer mastic coating in a number of industrial markets. Today it continues to provide unmatched levels of barrier protection and corrosion resistance over existing finishes and rusted steel; hand or power tool cleaned.

## APPLICATIONS

BRIDGE AND HIGHWAY  
COMMERCIAL/ARCHITECTURE  
OIL AND GAS  
FOOD AND BEVERAGE  
GENERAL MANUFACTURING  
MARINE  
PETROCHEMICAL  
PULP & PAPER  
WATER/WASTEWATER

## FEATURES

- › Excellent performance over steel substrates with minimal surface preparation
- › Suitable for overcoating most tightly adhered existing coatings
- › Excellent choice for field touch-up of zinc-rich primers and galvanized steel
- › Unique formulation with aluminum flakes provides exceptional barrier protection
- › May be applied at 35°F (2°C) when CM 15 FC's part B is utilized.
- › Suitable for use under insulation on hot surfaces operating up to 300°F (120°C)
- › VOC compliant to current AIM regulations

# Carbomastic® 15

## 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 Carbomastic 15

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Surface tolerant with outstanding wetting properties	Can be applied over marginally prepared steel	Saves time and labor with surface preparation
Aluminum pigmentation	Plate-like film reduces water permeation	Longer service life by keeping moisture from the substrate
Ultra high solids formula	Low stress coating will not soften existing coatings and accepts wide variety of topcoats	Labor saving by not having to remove old coatings and numerous choices for finish coating
Cures down to 35°F (2°C)	Extends the painting season	Finish the project on time

SYSTEM	TEST	DETAILS	RESULTS
2 ct. Carbomastic 15*	Salt Fog	(ASTM B117) for 12,000 hours	No effect to very slight rust
1 ct. Carbomastic 15*	Weathering Resistance	(ASTM G26; Method A) for 2000 hrs	Trace chalking; no creep from scribe; no blistering; no rust or softening
1 ct. Carbomastic 15*	Weathering Resistance	(Midwest exposure) for 48 months	No effect
1 ct. Carbomastic 15*	Fresh Water Immersion	@75°F for 18 months	No effect
1 ct. Carbomastic 15*	Water Fog Resistance	@75°F for 10,000 hrs	Moderate discoloration; rust in scribe; no creep from scribe; no blistering; no softening
1 ct. Carbomastic 15**	Hydrochloric Acid Fog	(12% solution) for 12 months	Acceptable; slight blistering; severe discoloration only
1 ct. Carbomastic 15**	Sulfuric Acid Fog	(10% solution) for 12 months	Acceptable; severe coating discoloration only
1 ct. Carbomastic 15*	Impact Resistance	(100 in/lbs)	No delamination
1 ct. Carbomastic 15**	Heat Resistance	(450°F for 1 hour)	No effect
1 ct. Carbomastic 15	Abrasion Resistance	(Taber Test Method; 1000 cycles, 1000 gm load; CS17 wheel)	130 mg loss
1 ct. Carbomastic 15	Adhesion	(ASTM D4541 – pneumatic)	Over SSPC-SP10: 1218 psi Over SSPC-SP2: 648 psi Over weathered alkyd: 1055 psi Over weathered urethane: 729 psi

\* SSPC-SP2

\*\* SSPC-SP10



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