

Carbomastic® 615 Series



Carbomastic 615 series epoxies are extremely tolerant of damp substrates and minimal surface preparation. Their low temperature (20°F) and rapid cure response make them perfect choices for fast turnaround schedules.

PRODUCT DETAILS Carbomastic 615 and 615 Aluminum are high performance, surface tolerant epoxy phenalkamines that have excellent corrosion resistant properties. These coatings exhibit outstanding moisture and surface tolerance during and after application, low temperature cure capability, and fast cure response for quick return to service. They are specially formulated with an inert flake reinforcement.

APPLICATIONS

- WET OR DAMP SUBSTRATES
- QUICK RETURN TO SERVICE PROJECTS
- MINIMAL SURFACE PREP (STEEL)
- OVER OLD COATINGS
- SALT OR FRESH WATER IMMERSION
- LOW TEMPERATURE CURE NEEDS

FEATURES

- › High solids, low VOC
- › Low temperature cure
- › Excellent wetting properties
- › Excellent surface tolerance
- › Excellent moisture tolerance (during and after application)
- › Fast cure response
- › Suitable for immersion in fresh or salt water after 60 minute cure @75°F
- › Available in Grey and Tan (615 standard colors)
- › Available in Grey-Aluminum (615 Aluminum)

Carbomastic® 615 Series

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

Carbomastic 615

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Surface tolerant	Minimal surface preparation	Saves labor and time
Low temperature cure	Paint during winter months	Completes projects on time
Moisture tolerance	Can apply over damp/wet substrates	No need to shut down equipment (sweating pipes) or procedures to "dry" substrate
Inert flake fillers	Internal film reinforcement and barrier protection	Long service life
Fast cure response	Faster dry to handle and topcoat times	Faster turnaround and return to service

Test Data

PROPERTY AND TEST METHOD	CONDITIONS	RESULTS	
Pneumatic Adhesion (ASTM D4541)	SP2 steel panels (damp @75°F) SP2 steel panels (damp @40°F)	1258 psi 1340 psi	
Flexibility; Mandrel Bend (ASTM D522, Method B)	2 week lab cure	NE @ 7/16" radius	
ISO Cycle Test (ISO 20340) 1 week cycle is 3 days SF, 3 days QUV-A, 1 day @0°F Test Duration: 15 cycles (2500 hours)	Topcoat	SP2	SP10
	Carbothane 133 HB	NE plane, very slight UC and #4MDB @SC	NE plane, Mod UC with #8DB @SC
	Carbothane 134 HG	NE plane, very slight UC and #2DB @SC	NE plane, Mod UC with #8DB @SC
Cathodic Disbondment (mod ASTM G95)	7 days, 75°F, -1.5 volts, over SP10 steel panel	Carbothane 133 HB	Carbothane 134 HG
		5-7 mm zero bond radius, 5-7 mm total disbondment radius	2-3 mm zero bond radius, 2-3 mm total disbondment



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