

Carboguard® 553



Carboguard 553 is a high performance water-based epoxy primer which is easy to apply and has very good corrosion resistance. This primer demonstrates increased film hardness and durability in comparison to straight acrylic or acrylic-epoxy systems. This straight epoxy formula is more chemical and abrasion resistant than most water-based epoxies, which translates into superior performance and longer service life.

PRODUCT DETAILS Carboguard 553 is a low odor, low VOC water based epoxy primer which is rust-inhibitive. It is an outstanding corrosion resistant primer for steel or concrete substrates where a typical epoxy cannot be used due to odor or VOC requirements. It has superior performance properties over more typical acrylic-modified epoxies.

APPLICATIONS

ARCHITECTURAL
LIGHT INDUSTRIAL
STEEL FABRICATION
PHARMACEUTICAL
INSTITUTIONAL
SCHOOLS/HOSPITALS
FOOD & BEVERAGE

FEATURES

- › Low odor
- › Very low VOC
- › Excellent corrosion protection
- › Very good chemical resistance
- › Applicator friendly, easy mixing
- › Contains rust-inhibitive pigments
- › Designed for Interior / Exterior use
- › LEED compliant for steel substrates

Carboguard® 553

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 553

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Low Odor, Low VOC	Compliant to VOC Regulations; worker safe conditions	Less ventilation requirements; can apply more square feet over a given period
Water-Based	Water Clean-Up & Thinning	No need to purchase or use additional solvents/thinners
Fast-Drying	Quicker recoat or handle times	Increased productivity & faster job completion
Unique Inhibitive Epoxy Formula	Long-term corrosion protection in severe environments	Cost effective due to longer repaint periods

Test Data

SYSTEM	TEST METHOD	RESULTS
Carbozinc 11 Carboguard 553 Carbothane 134 WB	Salt Fog - 4200 hours (ASTM B117)	Rust in scribe Small to medium blistering at scribe Undercutting: 0 - 2 mm
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Carbozinc 11 Carboguard 553 Carbothane 134 WB	Pneumatic Adhesion (ASTM D4541)	872 psi
Carboguard 553 Carbothane 134 WB	Pneumatic Adhesion (ASTM D4541)	2562 psi
Carbozinc 11 Carboguard 553 Carbothane 134 WB	Cyclic Prohesion - 7728 hours (ASTM D5894)	Rust in scribe Few very small blisters at scribe Undercutting: 0 mm
Carboguard 553 Carbothane 134 WB	Cyclic Prohesion - 7728 hours (ASTM D5894)	Rust in scribe Few medium to small blisters at scribe Undercutting: 0 mm



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