

# Carbozinc® 859



**Carbozinc 859 is a zinc rich epoxy steel primer with extremely fast cure-to-topcoat characteristics for in-shop applications and quick turnaround in the field.**

**PRODUCT DETAILS** Carbozinc 859 is an outstanding zinc-rich primer that has very desirable application characteristics. Carbozinc 859 has outstanding corrosion resistance and is used extensively in virtually all industrial markets. It can be topcoated in as little as 30 minutes, cure down to 35°F (2°C), and applies with little or no thinning. The corrosion resistance of this product rivals that of inorganic zinc primers, and with appropriate topcoat, can often outperform a comparable 3-coat system.

## APPLICATIONS

BRIDGE AND HIGHWAY  
CHEMICAL PROCESSING/REFINING  
COMMERCIAL/ARCHITECTURAL  
FIREPROOFING  
MANUFACTURING  
MARINE  
METALS AND MINING  
OIL AND GAS  
PIPELINES AND TERMINALS  
POWER  
PULP AND PAPER  
WATER/WASTEWATER

## FEATURES

- › Protects against undercutting corrosion
- › Rapid cure to topcoat in 30 minutes
- › Excellent primer compatible with a variety of topcoats
- › Class B friction rating
- › Low temperature cure to 35°F (2°C)
- › Superior long-term corrosion protection

# Carbozinc® 859

## 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 Carbozinc 859

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Low temperature cure down to 35°F (2°C)	Extends the paint season and allows primed steel to be moved outside quicker	Reduces job delays due to colder weather; ship and erect steel on time
Fast cure to topcoat time	Apply topcoat in same shift	Move steel through shop quicker or move scaffolding quicker
Class B friction rating	No need to mask off connection areas	Saves labor; faster application
Outstanding corrosion protection	Long term asset protection	Lowest cost/year service

TEST METHOD	SYSTEM	RESULTS
ASTM D4541 Adhesion	A. Carbozinc 859 B. 859/ Polyurethane C. 859/ Epoxy/ Polyurethane	A. 841 psi Pneumatic B. 1,200 min. psi Pneumatic C. 585 psi Elcometer
ASTM D522 Flexibility	A. 859 B. 859/ Polyurethane	A. > 6% B. >5%
ASTM D2794 Impact	A. 859 B. 859/ Polyurethane Gardner Impact Tester, Direct (intrusion), over 1/8" steel	A. 160 inch-pounds B. 100 inch-pounds
Slip Co-Efficient	Carbozinc 859 A- 490 bolt spec; 6 mils dry film maximum, 10% max. thinning	Meets requirements for class B slip rating



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