

# Carbozinc® 11 FC



**Carbozinc 11 FC is a fast-cure inorganic zinc rich primer that allows topcoating in 4 hours at 75°F (24°C) and 60% relative humidity.**

**PRODUCT DETAILS** Carbozinc 11 FC offers the same outstanding performance and film characteristics as Carbozinc 11 in a unique formula that allows fast topcoat times. No longer do fabricators or field contractors have to wait for overnight cure before they can topcoat the primer. This primer reaches sufficient cure at 75°F and 60% relative humidity in 4 hours to allow standard topcoats to be applied. This greatly reduces dwell time in the shops and permits faster turnaround for projects on a tight schedule.

## APPLICATIONS

FABRICATED STEEL  
FIELD ERECTED STEEL  
BRIDGES  
POWER PLANTS  
REFINERIES  
OFFSHORE STRUCTURES  
ARCHITECTURAL PROJECTS

## FEATURES

- › Dry to handle in 60 minutes
- › Fast cure to topcoat in 4 hours at 75°F
- › Outstanding corrosion protection and undercutting resistance
- › High zinc loading in the dried film
- › Same performance/same dry film formula as Carbozinc 11
- › Available in Green and Grey
- › Tolerant of mudcracking up to 6 mils (150 microns)
- › Smooth uniform texture reduces topcoat bubbling

# Carbozinc<sup>®</sup> 11 FC

## 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

### Performance Data

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
<b>Cyclic Prohesion Test</b> (ASTM D5894) 2 week cycle of: 1 week SF and 1 week QUV-A cycle	<b>Primer: Carbozinc 11 FC</b> <b>Intermed: Carboguard 893</b> <b>Finish: Carbothane 134 HG</b>	<b>Test Duration: 16 cycles (5376 hours)</b> <b>No plane rust; No blistering; Slight scribe rust;</b> <b>One small blister at scribe; 0 mm undercutting</b>  <b>Test Duration: 23 Cycles (7728 hrs)</b> <b>0.03% plane rust (1-2 pin points of rust/ft2;</b> <b>No blistering; Slight rust in scribe; One small blister at scribe; 0 mm undercutting.</b>
<b>Ageing Test</b> (ISO 20340) 1 week cycle of: 3 days Salt Fog; 24 hours @-20°C and 3 days of QUV-A	<b>Primer: Carbozinc 11 FC</b> <b>Intermed: Carboguard 893</b> <b>Finish: Carbothane 134 HG</b>	<b>Test Duration: 25 cycles (4200 hrs)</b> <b>Corrosion Creep: 1.6 to 2.6 mm (&lt;3 mm required)</b> <b>Blistering: None</b> <b>Rusting: None</b> <b>Cracking: None</b>
<b>Salt Fog</b> (ASTM B117)	<b>Single Coat: Carbozinc 11 FC</b>	<b>5000 hrs: No Effect</b> <b>8000 hrs: No Effect</b> <b>17,000 hrs: No Effect</b> <b>42,000 hrs: 8.8R (0.03% plane rust, very slight rust in scribe and zero undercutting</b>

### Reasons to use Carbozinc 11 FC

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
<b>Fast cure response</b>	<b>Faster dry to handle and topcoat times</b>	<b>Faster turnaround and return to service</b>
<b>High zinc loading</b>	<b>Outstanding corrosion protection</b>	<b>Long service life</b>
<b>Inorganic zinc formula</b>	<b>Galvanic protection</b>	<b>Minimal undercutting; minimal repairs</b>



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