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
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

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