



Lubrizol

PAINTS & COATINGS

CARBOSET® CR-3100

Carboset®CR-3100 is an APEO and formaldehyde-free, styrene-acrylic copolymer emulsion. This water-borne resin technology is ideal for direct-to-metal coatings, primers, and metal topcoats, offers excellent performance in low VOC formulations, and can be formulated to a high gloss finish.

Capable of Low VOC Formulations

Carboset CR-3100 is designed for formulations of 100 g/l VOC and lower. It delivers excellent performance that meets the market's need for low VOC coatings and can comply with strict regulatory environments.

Corrosion Resistance

Carboset CR-3100 performs well in ASTM B-117 salt spray testing exceeding 500 hours in both direct-to-metal and topcoat systems when compared to industry benchmarks. It can extend the life of a coating for longer lasting protection and improved aesthetics in light and medium-duty industrial settings.

True Direct to Metal Adhesion

With very strong "5B" adhesion in ASTM D3359 testing, Carboset CR-3100 can be applied directly to a variety of metal substrates. This polymer offers impressive performance with a single coat for streamlined application.

Chemical Resistance for Industrial Applications

Carboset CR-3100 compares favorably with key commercial benchmarks when evaluated against seven aggressive industrial fluids. It's proven durability can reduce repainting and offer superior substrate protection.

Functional Flexibility

Metal structures can flex, expand or contract depending on the conditions. Carboset CR-3100 has the flexibility to perform in a variety of environments, passing ASTM D2794 impact resistance testing at 160 lbs and ASTM D522 mandrel bend testing with no cracking or loss of adhesion.

WHAT WE ADD MAKES THE DIFFERENCE.™

- HIGHLY EFFICIENT 1K RESIN IN FORMULATIONS FOR CORROSION RESISTANT COATINGS
- TESTED IN BOTH ASTM B-117 SALT SPRAY AND SAE J-2334 ACCELERATED TESTING
- GOOD CHEMICAL RESISTANCE WHEN TESTED WITH AGGRESSIVE INDUSTRIAL FLUIDS
- A ROBUST RESIN EMULSION FOR PRIMER, TOPCOAT AND DIRECT-TO-METAL APPLICATIONS
- APEO AND FORMALDEHYDE FREE AND SOLID FORMULATION FLEXIBILITY
- DESIGNED FOR LIGHT TO MEDIUM-DUTY INDUSTRIAL END USES

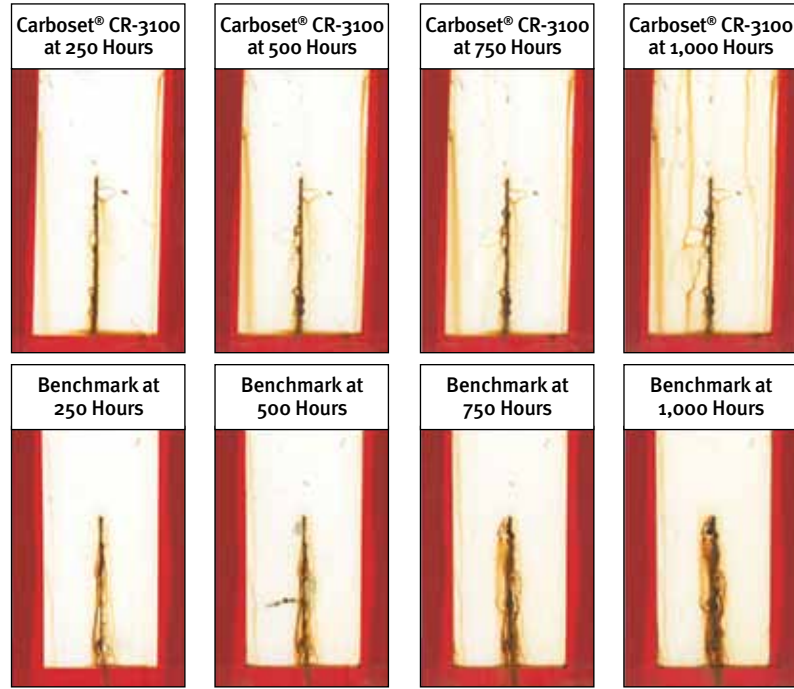
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FEATURES & BENEFITS

- SALT SPRAY PERFORMANCE EXCEEDING 500+ HOURS
- EXCELLENT PERFORMANCE AT LOW VOC LEVELS
- CAPABLE OF FULL RANGE OF GLOSS, ONE-COMPONENT FORMULATIONS
- EXCELLENT 5B CROSS-HATCH ADHESION ON METAL SUBSTRATES

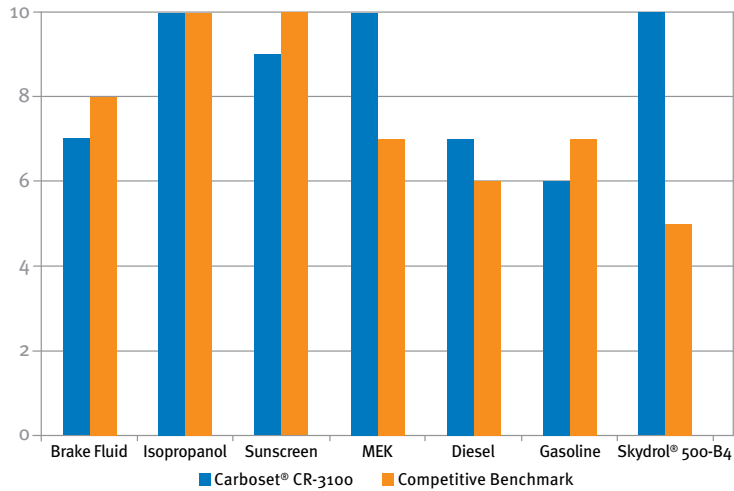
Corrosion Resistance

ASTM B-117 Salt Spray, CRS @ 3.5 mil DFT, Formulated at 100 g/l VOC



Chemical Resistance

ASTM D1308 Chemical Resistance Testing vs Competitive Benchmark (10 designates highest score per chemical).



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