

The Lubrizol logo is displayed in white text on a black background. The word "Lubrizol" is written in a bold, sans-serif font with a horizontal line underneath the letters "i" and "z".

Lubrizol

OEM INDUSTRIAL METAL

A photograph of an industrial facility featuring several large, white, cylindrical storage tanks. The tanks are arranged in a row and are partially obscured by a chain-link fence in the foreground. The background shows some greenery and industrial structures.

CARBOSET® CR-795

POLYMER FOR PRIMER, DIRECT-TO-METAL AND TOPCOAT APPLICATIONS

Carboset® CR-795 is a versatile workhorse among polymers. Unlike others in its category, Carboset® CR-795 offers good to excellent performance across a range of important properties—corrosion resistance and adhesion—making it a logical starting place for advanced formulations.

Excellent chemical and corrosion resistance

In chemical resistance tests (ASTM D1654) involving acetic acid, Carboset® CR-795 maintained film retention at 60-80%, outperforming commercial benchmarks. Likewise, in salt spray tests (ASTM B117), Carboset® CR-795 exceeded the standard and outperformed a commercially available acrylic. Performance was only slightly lower than a 100% alkyd system.

Flexibility adds up

Carboset® CR-795 can be blended with a wide range of compatible co-solvents and can be formulated with anti-corrosive pigments to dial in on optimal VOC levels and corrosion resistance. It can be blended with other acrylates and water-reducible alkyds with minimal impact on performance when compared to a 100% alkyd system. It is also shear stable, imparting additional stability to the mill base. Pigments may be dispersed directly in this versatile resin.

A stick-to-it performer

In crosshatch adhesion testing, Carboset® CR-795 achieved film retention levels of “excellent” across all substrates tested: cold rolled steel, iron-phosphated steel, hot dipped galvanized (HDG), aluminum and stainless steel. Its broad range of potential uses, coupled with its strong performance across all key categories, make Carboset® CR-795 a strong contender for formulas for metals applications.

WHAT WE ADD MAKES THE DIFFERENCE.™

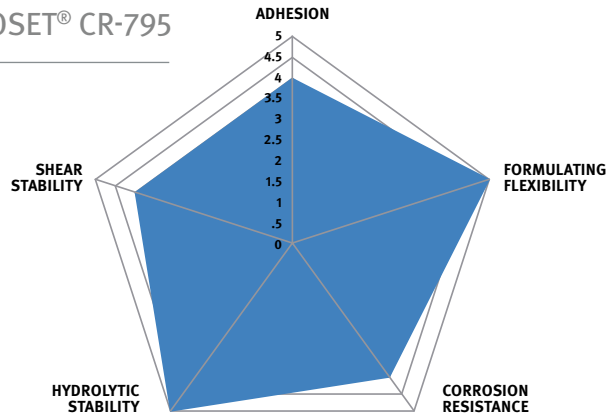
- CONTRIBUTES EXCELLENT ADHESION, CHEMICAL- AND CORROSION-RESISTANT PROPERTIES
- A LOGICAL RESIN FOR PRIMERS, TOPCOATS AND DIRECT-TO-METAL APPLICATIONS
- SUITABLE FOR USE IN FORMULATIONS THAT MUST MEET THE BROAD REGULATORY STANDARDS OF GLOBAL DISTRIBUTION

www.lubrizol.com/metal

FEATURES & BENEFITS

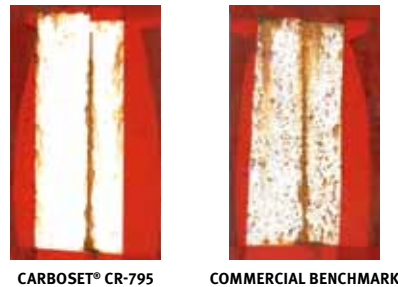
- PROVIDES CORROSION-RESISTANT PROPERTIES WITHOUT SACRIFICING KEY PERFORMANCE QUALITIES
- EXCELLENT ADHESION TO A WIDE RANGE OF SUBSTRATES
- APE-FREE AND LOW VOC CAPABLE FOR REGULATED AREAS
- IMPARTS STABILITY TO THE MILL BASE
- FULFILLS A VARIETY OF NEEDS, STRONG PERFORMANCE ACROSS ALL KEY CATEGORIES FOR METAL APPLICATIONS

CARBOSET® CR-795

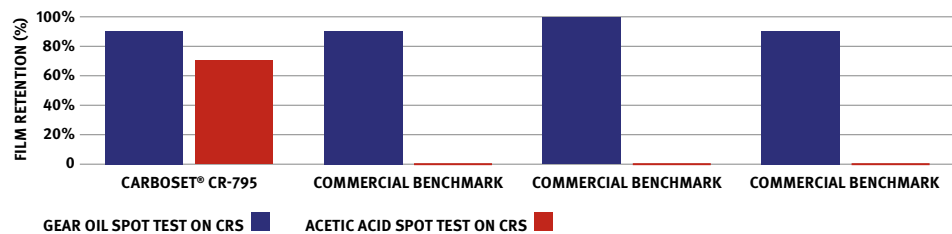


CORROSION RESISTANCE – SALT SPRAY TEST RESULTS (300 HOURS)

CARBOSET® CR-795 EXHIBITS SUPERIOR CORROSION RESISTANCE VERSUS COMMERCIAL BENCHMARKS



CHEMICAL RESISTANCE COMPARISONS



Lubrizol Advanced Materials, Inc.

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