



# RUST BULLET® DURAGRADE™ COLOR

## ENGINEERING DATA SHEET

### PRODUCT DESCRIPTION

**Rust Bullet DuraGrade COLOR** is a high-performance, rust inhibitive, protective, resinous coating that can be applied directly over clean or rusted metal. DuraGrade COLOR is a single component urethane resistant to UV rays, acid splash and chemical solvents. Ideal for indoor or outdoor industrial, commercial, marine, automotive, home or farm projects. Due to its UV resistance and adhesion properties, DuraGrade COLOR is a standalone coating requiring no topcoat, basecoat, or primer. Available in a variety of standard and custom colors. Apply by brush, roller, or spray equipment. VOC compliant in all 50 states.

### TYPICAL USES

Rust Bullet DuraGrade COLOR provides superior protection for both indoor and outdoor industrial surfaces. Typical applications include steel and iron applications such as industrial, marine, farm, automotive, and anyplace where rust is a problem.

### ADVANTAGES

- Easy to Apply – Ready to Use
- Superior Corrosion Control and Protection
- Applies Directly Over Rust or Clean Metal
- Exceptional Adhesion
- Excellent Resistance to Weather and Mechanical Abuse
- Excellent Scratch, Chip, Chemical and UV Resistance
- Outstanding Flexibility
- Exceptional Impact Resistance
- Self-Leveling
- No Topcoat Necessary
- Low in VOCs

### SPECIFICATIONS

**Weight per gallon:** 9.3 - 10.1 lbs

**Color:** Multiple Standard and Custom

**Finish:** Glossy

**Flash Point:** 123°F

**Viscosity:** 240 - 300 cP

**Theoretical coverage:** Approx. 300 sq. ft./gal/coat, depending on porosity of substrate.

**Solids by Volume:** 72% +/- 2%

**Recommended DFT:** Minimum 8 mil; 12 mil for commercial, industrial or marine applications

**VOC Content:** 49 - 170 g/l (depending on color)

**Application Methods:** Brush, Roll, or Spray

**Cure Times:** Varies with relative humidity, temperature and thickness of film

- Dry-to-Recoat: 2 to 6 hours
- Dry-to-Handle: 2 to 6 hours
- Full Cure: 72 hours

**Shelf Life:** Approx. 2 years un-opened; 1 month for opened containers; Up to 6 months if sealed with Bloxygen

**Application Surface Temp:** 32°F - 190°F (0°C - 88°C)

**Maximum Service Temp:** 314°F (157°C) continuous

**Compatibility:** With most other coatings; always refer to the coating manufacturer's guidelines for application and compatibility

#### Testing:

- Taber Abrasion (ASTM D4060): 38 mg / 1,000 Cycles
- Salt Fog Test (ASTM B-117) Passed 500 Hr. Testing
- Impact Resistance (ASTM D2794): >40 inches (**exceeds max test limits**)
- Mandrel Bend (ASTM D 522-13): >32% without cracking (**exceeds test**)
- Pull-off Adhesion Bond Strength (ASTM D7234-05):
  - 50mm dolly: >525 PSI (Dollies unable to be removed at ~525 max psi)
  - 20mm dolly: >1485 PSI (the substrate broke apart before DuraGrade lost adhesion)

### SAFETY INFORMATION

Avoid ingestion, inhalation and contact with skin or eyes. The use of safety glasses and nitrile gloves is recommended. When brushing, rolling or spraying, appropriate NIOSH approved respiratory protection is recommended. See [Safety Data Sheet](#) for complete safety data before use, available at [www.RustBullet.com](http://www.RustBullet.com). It is the applicator's responsibility to understand these safety precautions and the work environment, to protect themselves and/or others.

### SURFACE PREPARATION

The surface must be completely dry. The surface must be free of loose paint and rust, oil, grease, wax, moisture, chlorides and any other contaminants that may affect adhesion or performance. Methods include chemical cleaning (SSPC-SP1), tool cleaning (SSPC-SP 2 & 3), high-low or combinational pressure water cleaning (SSPC-SP 12) and/or abrasive blast cleaning (SSPC-SP5). Do not use other branded products with Rust Bullet Coatings without consulting Rust Bullet Technical Support. For more information contact us at:

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### LIMITATION OF LIABILITY

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