



# RUST BULLET® DURAGRADE CLEAR

## ENGINEERING DATA SHEET

### PRODUCT DESCRIPTION

Rust Bullet® DuraGrade Clear is a high-performance, ultra-low VOC, rust-inhibitive, protective coating. Rust Bullet DuraGrade Clear is a single component urethane that won't crack, chip, yellow, or peel and dries to an incredibly hard, water clear finish. DuraGrade Clear is UV resistant, scratch and chip resistant. DuraGrade Clear can be brushed, rolled or sprayed.

### TYPICAL USES

DuraGrade Clear can be used as a standalone coating or as a top coat and can be applied directly onto clean or rusted metal, concrete, wood and other surfaces. Ideal for indoor or outdoor surfaces. Dries to a water clear finish. Helps to rejuvenate and restore faded or oxidized surfaces to like new condition.

### ADVANTAGES

- Non-yellowing
- Easy to apply
- VOC-compliant everywhere
- Excellent resistance to weather and mechanical abuse
- Excellent chemical resistance
- Excellent abrasion resistance
- Excellent adhesion
- UV resistant
- Self leveling
- Flexible

**Weight per gallon:** 9.0 – 9.2 lbs.

**Flash Point:** 123°F

**Volatile Organic Content (VOC):**

49 g./liter

**Viscosity:** 220 - 300 cP

**Theoretical coverage:**

Approx. 300 sq. ft./gal/coat

**Solids by volume:** 68 ± 2%

**Recommended dry film thickness:** Min. 6 mil; 12 mil for commercial, industrial or marine applications

**Temperature Resistance:** Continuous: 314°F (theoretical)

**Color/Finish:** Clear Gloss

**Cure Time:** varies with relative humidity, temperature and thickness of film

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

**Application Temperature:**

32°F-110°F (0°C-43°C)

**Shelf Life:** Approx. 2 years un-opened; 1 month for opened containers; Up to 6 months if sealed with Bloxygen 2 years, unopened, stored between 50°-100°F.

**Compatibility:** With most other coatings; Always refer to the coating manufacturers guidelines for application and compatibility

**Testing:**

- Taber Abrasion (ASTM D4060): 38 mg / 1,000 Cycles
- 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 concrete broke apart before DuraGrade lost adhesion)

### SAFETY INFORMATION

Avoid ingestion, contact with skin or eyes. The use of safety glasses and chemical 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

Before application, the substrate must be structurally sound and thoroughly clean and dry. Remove loose rust, loose paint, moisture, dirt, mildew, oils, wax, loose particles, and other debris before coating. New concrete must be cured for at least 30-90 days. Concrete surfaces with tight existing paint or sealants or very smooth or power troweled should be sanded or ground. Be sure all repair materials are paintable. On concrete surfaces, adhesion and calcium chloride moisture tests should be performed and outstanding issues fixed prior to application. For more information contact us at:

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### LIMITATION OF LIABILITY

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