



# BLACKSHELL

## ENGINEERING DATA SHEET

### PRODUCT DESCRIPTION

Single component, aliphatic moisture cured urethane, gloss topcoat; BlackShell can be applied over painted or unpainted surfaces and can be used as a stand-alone protective coating that will protect your iron and steel. For the ultimate protection, apply BlackShell as a topcoat over our patented Rust Bullet Standard or Rust Bullet Automotive Formulas. BlackShell is UV resistant, scratch and chip resistant. BlackShell can be brushed, rolled or sprayed.

#### Typical Uses

High performance top coat protection for steel and iron applications, such as industrial, marine, farm, automotive, and anyplace where rust is a problem or a gloss black finish is desired.

### ADVANTAGES

- Easily applied and "forgiving" under less than desirable application conditions
- Can be applied on rusted or clean surfaces
- Single component – no mixing
- Excellent resistance to weather and mechanical abuse
- Excellent chemical and road salt resistance.
- Excellent abrasion resistance
- Excellent adhesion
- Excellent UV resistance
- Self-leveling
- No peeling or flaking
- Flexible

### SPECIFICATIONS

- **Weight per gallon:** 8.8 - 9.0 lb.
- **Pigment type:** Carbon Black
- **Flash Point:** 110°F
- **VOC:** 339 g/liter
- **Viscosity:** 280-350 cP
- **Theoretical coverage:** 350-400 ft<sup>2</sup>/gal. Depending on surface.
- **Solids by weight:** 62.5% ± 2%
- **Recommended WFT:** 2-4 mils DFT (applied in 1-2 wet coats)
- **Temperature Resistance:** Continuous 314°F
- **Chemical Resistance:** Excellent
- **Recoatability:** With BlackShell after 2-6 hours, not to exceed 12 hours.
- **Color/Finish:** Gloss Black
- **Cure Time:** Depending on ambient temperature and relative humidity, and WFT:
  - Handle: 2-4 Hours;
  - Touch: 2-4 hours.
  - Recoat: 2-6, not exceeding 12 hours.
- **Shelf Life:** 2 years, unopened, stored between 50°-100°F.
- **Application Temperature:** 32°F-110°F (0°C-43°C)
- **Compatibility:** With most other MCUs (Moisture-cured Urethane); always refer to the coating manufacturers guidelines for application and compatibility.

### 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

Surface must be free of contaminates, such as, loose rust, oil, grease, wax, moisture etc. This may be achieved by light scraping; a detergent or solvent wipe may be used if necessary. For more information:

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#### LIMITATION OF LIABILITY

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