



# RUST BULLET® for CONCRETE APPLICATION GUIDELINES

## **Rust Bullet® for Concrete – Ideal for Garage Floors, Patios, and Basements**

Rust Bullet's Patented Technology provides superior protection. To ensure you achieve the best possible results, it is extremely important that these Guidelines are read and followed thoroughly before use. Please refer to the most current Application Guidelines available at [www.RustBullet.com](http://www.RustBullet.com) or by calling Rust Bullet Technical Support at 800-245-1600. **IMPORTANT: Failure to read and follow these guidelines may result in poor coating performance.**

### **SURFACE PREPARATION**

The proper surface preparation prior to applying Rust Bullet for Concrete will ensure optimum performance. Before application, the concrete substrate must be structurally sound, thoroughly clean and dry. Remove loose paint, moisture, dirt, mildew, oily substances, wax, loose particles, and other debris prior to application. New concrete must be cured at least 30 days. Do not use any chemical for surface prep prior to application without consulting Rust Bullet Technical Support. Rust Bullet coatings need to penetrate the surface in order to adhere properly. Surfaces with tight existing paint, sealants, or very smooth concrete should be sanded or ground. The quickest way to determine if your floor needs to be sanded is to perform a water drop test by dripping small amounts of water in different areas of your floor checking if the water beads up or absorbs. If the water does not absorb within one minute then you will need to sand with 80 - 100 grit. Allow floor to dry prior to application. All repairs should be completed and allowed to fully cure prior to application. Be sure all repair materials are paintable. Adhesion and calcium chloride moisture tests should be performed and all outstanding issues fixed prior to application.

### **PRODUCT PREPARATION IMPORTANT: DO NOT OPEN UNTIL READY TO USE**

Do not open when the coatings temperature is below 32°F (0°C). Stir thoroughly for at least three minutes or until completely uniform and homogeneous. If stirring by mechanical means, stir slowly without creating a vortex. Do not shake or whip air into the coating. Do not thin. Stir product thoroughly in-between coats.

### **APPLICATION**

Rust Bullet for Concrete may be applied by brush, roller, or spray equipment. When using a roller, a 3/8 inch nap is recommended. Do not use foam. Remove any loose fibers from the roller. Coverage is approximately 300-400 ft<sup>2</sup>/gal/coat depending on the method of application and the porosity of the concrete or substrate. Recommended air or surface temperature should not be below 35°F (2°C) or above 110°F (43°C). Ideal application temperature is between 50°F (10°C) and 80°F (27°C) with humidity below 90%. Never apply Rust Bullet for Concrete while raining or under threat of rain. Coat small sections at a time (4'x4'). Work at a steady pace, rolling a zig zag or a "W" pattern. Hastily rolling may cause roller marks. Apply a medium coat; too thick may cause bubbling and too thin may cause roller marks. Avoid excess buildup at the edges of the roller. At the end of the stroke, raise the roller a bit so that it does not leave a mark. Move into the next area and blend it into the previously finished areas. Fully cured Rust Bullet coatings have a service temperature range of 314°F (157°C) continuous, and can tolerate maximum temperature between 662°F (350°C) for up to 72 hours. A minimum 9 mil (2-3 coats) WFT (wet film thickness measured by a wet film thickness gauge) is required for residential applications, and a minimum 12 mil WFT (4-5 coats) is required for Commercial/Industrial applications for the warranty to be applicable. The minimum WFT requirements apply to the Rust Bullet for Concrete Coating only and must not include the Rust Bullet Top Coats or any other type of coatings. Any areas that have high traffic may need additional coats. Average drying time between coats is 2 to 6 hours. The previous coat should be dry to the touch. As soon as there is no transfer of coating to a gloved finger, you are ready for an additional coat. Do not exceed 12 hours between coats. If 12 or more hours have lapsed, wait for Rust Bullet to cure for at least 24 hours then lightly scuff with 80 - 100 grit (just enough to roughen the finish) before applying additional coats. Note: These drying times are meant to be a guide only; actual drying times can vary significantly based on film thickness, air circulation, temperature, relative humidity, and other factors. There are two options for creating a slip resistant surface:

- Mix an anti-skid additive into the last coat of Rust Bullet for Concrete or Clear Coat for Concrete (follow the non-skid manufacturer mixing directions);
- Sprinkle anti-skid material onto a tacky coat of Rust Bullet for Concrete then apply an additional coat or topcoat to seal.

When choosing a non-skid material, it is important to choose one compatible with moisture cured urethane. Rust Bullet for Concrete is a patented protective coating. Roller marks will not affect the performance of the coating. Adding a decorative flake and/or a non-skid material to the project may decrease or eliminate the visibility of any marks. Though rare, different concrete mixtures could cause different finishes of Rust Bullet for Concrete. Discoloration, film thickness variations, roller marks, etc. do not necessarily indicate coating failure. Inexperienced applicators have potential to achieve different results as each concrete mixture is different and application techniques are unfamiliar.

### **CLEAN-UP, PRODUCT STORAGE AND HANDLING**

Remove fresh, uncured coating immediately using Rust Bullet Solvent or compatible solvent; follow solvent manufacturer's directions. Cured product is removed with mechanical sander or sharp tool. Rust Bullet residue will harden, destroying equipment if not cleaned immediately. Partially used containers may be resealed using [Bloxygen](#) to preserve the coating for up to six months. Immediately wipe clean any coating from the rim of the container before resealing. Never pour Rust Bullet that has been exposed to air or moisture back into the container. If a skin has formed in a new unopened container or a sealed container, remove the skin and discard properly. Rust Bullet coatings are packaged in unlined paint cans. If the coating is transferred to another container, a clean unlined paint can (or similar unlined metal container) must be used. Unopened cans have a shelf life of approximately two years. The shelf life of an opened can, not re-sealed using [Bloxygen](#), is approx. one month.

### **SAFETY CONSIDERATIONS**

Use with adequate ventilation, and if necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. **IMPORTANT:** Protective clothing, gloves, and eye protection are recommended during set-up, application and cleanup; it is extremely difficult to remove Rust Bullet coatings from skin after about 5 minutes. Immediately wipe with a rag and soap and water. Any coating residue will wear off in about 7-10 days. Avoid open flames, pilot lights, sparks, heating elements, cigarettes, or any and all possible sources of ignition. **For more complete coverage of safety issues refer to the GHS SDS at [www.RustBullet.com](http://www.RustBullet.com).**

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