



Rust Bullet® DuraGrade™ Concrete APPLICATION GUIDELINES

Rust Bullet® DuraGrade™ Concrete provides superior protection for concrete surfaces, while being compliant with VOC regulations in all 50 states. DuraGrade Concrete also provides excellent protection for metal, wood, fiberglass, and other surfaces. Contact Technical Support for application details specific to other substrates. To achieve the best possible results, it is extremely important to read these guidelines thoroughly before use. Please refer to the most current Application Guidelines available at www.RustBullet.com or by calling Customer Support at 800-245-1600.

SURFACE PREPARATION

The proper surface preparation prior to application will ensure optimum performance. Ensure the concrete is structurally sound, thoroughly clean, and completely dry. DO NOT power wash or acid etch the concrete. Remove loose paint, dirt, mildew, oils, wax, loose particles, and other debris before application. New concrete must be cured for at least 30-90 days depending on climate. Surfaces with tight existing paint, sealants or very smooth or power troweled should be sanded or ground. 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 other outstanding issues fixed prior to application.

PRODUCT PREPARATION

IMPORTANT: FAILURE TO FOLLOW STIRRING PROCEDURE BELOW MAY RESULT IN POOR COATING PERFORMANCE

Stir thoroughly until completely uniform and homogeneous (approximately 3 minutes). Do not shake or use electric or mechanical mixing devices that may whip air into the product. Repeat this process if the coating has sat for any length of time.

APPLICATION

Apply with bristle brushes, 3/8-inch nap roller, or spray equipment. DO NOT use foam brushes or rollers. Theoretical coverage is approximately 300-350 sq. ft. per gallon/per coat depending on the method of application and the porosity of the substrate. Apply at package consistency. DO NOT THIN OR ADD ANY OTHER PRODUCT TO DuraGrade Clear. 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 while raining or under threat of rain. Do not apply if the surface temperature exceeds 150°F (65°C) or is below 32°F (0°C). Apply in thin, even coats; the first coat must be generous enough to soak into the substrate beneath with a second coat applied to completely seal the first coat; this cannot be done with any other coating material, including other Rust Bullet coatings. 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. Roller marks will not affect the performance of the coating. 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. Apply to achieve at least an 8 mil dry film thickness (DFT), usually a 2-coat application. A minimum of a 12 mil DFT is required for industrial, commercial, and marine applications. High traffic areas 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. Ideally, apply the next coat as soon as the previous coat is ready. Do not exceed 12 hours between coats. If 12 or more hours have lapsed, wait for that coat to cure for at least 24 hours then scuff with 80-100 grit (just enough to roughen the finish) before applying additional coats. If decorative flakes are desired, apply the flakes on the last coat of DuraGrade Concrete while still wet. Once dry to the touch (2 to 6 hours), apply a coat of DuraGrade Clear to protect and seal in the flakes. For a slip resistant surface, mix an anti-skid material into the final coat. Keep the antiskid material suspended by stirring frequently during application. Choose an anti-skid material compatible with moisture-cure urethane. DO NOT use aluminum oxide. Adding a decorative flake and/or an anti-skid material to the project may decrease or eliminate the visibility of roller marks and other imperfections on the concrete. We recommend Rust Bullet® Color Flakes and Homax® Tread-Tex anti-skid, both are compatible with Rust Bullet coatings, and both are available at www.rustbullet.com. Though rare, different concrete mixtures could cause different finishes of DuraGrade Concrete. Discoloration, film thickness variations, roller marks, etc. do not equal coating failure. Inexperienced applicators have potential to achieve different results as each concrete mixture is different and application techniques are unfamiliar. **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.

CLEAN-UP, PRODUCT STORAGE AND HANDLING

Wipe off fresh, uncured coating immediately by using Rust Bullet Solvent or other compatible solvent. Cured product is removed by sandpaper, a sharp tool or by mechanical means. Avoid getting on skin, clothes, or any surface not intended to coat as Rust Bullet is permanent and after curing cannot be removed without abrasive action. Application equipment must be cleaned immediately after use to avoid damage. Shelf life of an unopened can is about 2 year, and once opened shelf life is decreased to about one month. Partially used containers may be resealed using Bloxxygen to preserve the product for up to six months. Limit the time the container is opened. Immediately wipe clean any coating from the rim of the container before resealing. Never pour the coating 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 by cutting edge of skin at the skin/container surface. Discard the skin 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.

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, etc. are recommended during set-up, application, and cleanup; it is extremely difficult to remove Rust Bullet coatings from skin. 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.**

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