RUST-OLEUM®

Concrete Protection Systems

4700 SYSTEM PRIMER™ ESD-WB

ESD CONTROL EPOXY PRIMER – WATER-BASED

DESCRIPTION

Primer™ ESD-WB has been designed for use with Rust-Oleum UltraPlex™ SD S coating to meet electrostatic dissipative requirements.

Primer™ ESD-WB is a VOC-compliant, two component, waterborne epoxy. Product has a slight odor.

This CPS Type II product is typically installed by factory trained contractors. Be sure you are fully aware of all application procedures and have all the required application equipment available prior to beginning application of this product.

FEATURES AND BENEFITS

- Electrostatically dissipative: For use with UltraPlex™ SD S electrostatic dissipative coating in areas where electrostatic charge build-up hinders productivity.
- Adhesion: Excellent (to be used over Prime & Seal™ Primer.

PACKAGING AND COVERAGE

Primer™ ESD-WB is available in the following kit size. Coverage is based on 8 mils wet film thickness.

Kit size	Coverage
1 gal.	200 sq. ft.
3 gal.	600 sq. ft.

COLOR

Primer™ ESD-WB is available in black only.

PRODUCT APPLICATION

TYPICAL APPLICATIONS

Primer™ ESD-WB is used as an electrical property primer before application of UltraPlex™ SD S.

TOOLS REQUIRED

- Squeegees, paint rollers (1/4 inch nap)
- 3/8 inch electric drill, “Jiffler” mixing blade
- Duct tape, chalk line, painters tape
- Rags, xylene cleaning solvent
- Goggles, gloves, soap and water
- Vacuum cleaner

SURFACE PREPARATION

NEW CONCRETE: New Concrete laitance must be removed by muriatic acid etching or shotblasting. Concrete that has been cured with curing compounds or has a burned in finish, shotblasting or sandblasting is required. Concrete must be at least 28 days old.

EXISTING CONCRETE: Existing concrete must be sound, and old coatings and toppings mustbe removed. Concrete must be free of previous coatings, oil, wax, paint and other contaminants. Water soluble contaminants can be hosed off with water. Water insoluble materials will require the use of a cleaner degreaser or some other method of removal.

Concrete must be visibly dry at time of application of the Prime & Seal™ Primer, which must precede Primer™ ESD-WB.

MIXING

Mix Primer™ ESD-WB with a Jiffler mixing attachment and electric drill. Add the complete container of part B to the short filled gallon of part A. Mix 2-3 minutes to ensure complete mixing. Allow material to induct for 15 minutes. It is recommended that you add 20% clean potable water to thin the primer to a more useable thickness. After adding the water, pour the material out of the mixing bucket as the primer tends to thicken. (Note that hand mixing is not adequate.)

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PRODUCT APPLICATION (cont.)

APPLICATION

Primer™ ESD-WB is applied directly over Prime & Seal™ Primer (within 24 hours) with a short nap roller.

1 gallon of Primer™ ESD-WB will cover approximately 200 sq. ft. at 8 mils wet (3 mils dry). Do not apply at more than 8 mils wet. Avoid puddling.

POT LIFE

This product has a practical pot life of 3 hours at 65°F and 50% relative humidity.

CURE TIME

2 to 4 hours at 70° F. Allow Primer™ ESD-WB to cure thoroughly prior to application of UltraPlex™ SD S.

CLEAN UP

Xylene can be used to remove material from equipment if it is cleaned before the material has started to set up; otherwise, stronger solvents will be necessary.

SAFETY

Primer™ ESD-WB contains amine curing agents. Avoid skin contact. In case of eye contact or ingestion, contact a physician immediately. In case of skin sensitivity to these materials, use protective clothing and gloves.

MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheets are available upon request. It is strongly recommended that they be read by all persons handling Primer™ ESD-WB.

If there are any questions on the use of this product, please consult our technical service department.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 847•367•7700
www.rustoleum.com

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