RUST-OLEUM®

Concrete Protection Systems

4700 SYSTEM PRIMER ESD

ESD CONTROL EPOXY PRIMER

PRODUCT DESCRIPTION

Primer ESD has been designed for use with UltraPlex™ C SL or UltraPlex™ SD SL to meet conductive or electrostatic dissipative requirements.

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.

FORMULATION

Primer ESD is a two component, virtually 100% solids epoxy resin polymer.

COLOR

Primer ESD is available in black only.

FEATURES AND BENEFITS

- Conductive and dissipative: For use with electrically conductive or electrostatic dissipative coatings and toppings in areas where electrostatic charge buildup hinders productivity.
- Adhesion: Excellent (to be used over Prime & Seal™ Primer).

TYPICAL APPLICATIONS

Primer ESD is used as an electrical property primer before application of UltraPlex™ C SL or UltraPlex™ SD SL.

PACKAGING AND COVERAGE

Primer ESD is available in the following kit sizes. Coverage is based on 10 mil dry film thickness.

Kit size	Coverage
1 gal.	160 sq. ft.
4 gal.	640 sq. ft.

PRODUCT APPLICATION

MIXING

Mixing of Primer ESD is ideally accomplished using a Birdcage or Jiffler mixing attachment and electric drill. Precise portions of part “A” (resin) and part “B” (hardener) are measured into the mixing container. Mix for 60 seconds to ensure complete mixing.

APPLICATION

Primer ESD is applied directly over Prime & Seal Primer (within 24 hours). Placement of Primer ESD is by rubber squeegee. Any edge marks produced should be rolled out with a short nap roller. 1 gallon of Primer ESD will cover approximately 160 square feet (depending on surface texture).

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PRODUCT APPLICATION (cont.)

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 such as methylene chloride will be necessary.

SAFETY

Primer ESD contain 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.

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

PERFORMANCE CHARACTERISTICS

TABER ABRASION

METHOD: ASTM 4060

RESULT: LOSS/1,000 cycles = 0.11 gm.

IMPACT RESISTANCE

METHOD: ASTM D-2794

RESULT: 155 in.–lbs.

COEFFICIENT OF FRICTION

METHOD: ASTM 2047

RESULT: 0.6 minimum

ELECTRICAL PROPERTIES

SURFACE RESISTANCE (EC)

METHOD: ASTM F150-89

RESULT: 0.25-1.0 megohms

SURFACE RESISTANCE (ESD)

METHOD: NFPA 99

RESULT: 1.0-1,000 megohms

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

Phone: 847•367•7700
www.rustoleum.com

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