

RUST-OLEUM®**4700 SYSTEM****ULTRAPLEX™ PRIMER ESD-WB****ESD CONTROL EPOXY PRIMER – WATER-BASED****DESCRIPTION AND USES**

UltraPlex™ Primer ESD-WB is designed for use with UltraPlex SD S coating electrostatic dissipative requirements. UltraPlex Primer ESD-WB is a VOC compliant, two-component water-based epoxy which 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 equipment available prior to beginning the installation of this product.

FEATURES AND BENEFITS

- Electrostatic dissipative: For use with UltraPlex SD S electrostatic dissipative coating in areas where electrostatic charge build-up hinders productivity.
- Excellent adhesion: Designed to be used over Prime & Seal™ Primer or Penetrating Prime & Seal™ Primer.

PACKAGING AND COVERAGE

UltraPlex Primer ESD-WB is available in 1-Gallon and 3-Gallon Kits. Coverage is based on 8 mil dry film thickness.

SKU	Description
237439	Primer ESD (1-Gallon)
237440	Primer ESD (3-Gallon)

CONCRETE PREPARATION

Preparation of the existing concrete is the most important step in the installation of an UltraPlex Primer ESD-WB.

All grease, oil and other contamination must be removed. The surface of the concrete must be clean and rough to enable the epoxy based polymer to achieve maximum bond. Mechanical methods, including shot blasting, and grinding are used to prepare the floor. Prior to the application of an UltraPlex floor, the concrete should be at least 28 days old and have 200 psi tensile strength. See Technical Data Sheet for Penetrating Prime & Seal™ Primer for proper application of primer.

Contact Rust-Oleum Technical Service for assistance. Curing compounds should be limited to those types which can be removed by mechanical preparation of the surface.

PRODUCT APPLICATION**MIXING**

Mix UltraPlex 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. Note: Hand mixing is not adequate). Allow the material to induct for 15 minutes. Thin 15-20% with clean potable water to a useable consistency. After adding the water, pour the material onto the floor in a ribbon. Squeegee and back roll to recommended film thickness. (Note that hand mixing is not adequate).

APPLICATION

UltraPlex Primer ESD is applied directly over Prime & Seal Primer within 24 hours with a 3/8" nap roller. Be sure to roll out any edge marks. One gallon of Primer ESD will cover approximately 200 square feet at 8 mils wet (4 mils dry) depending on the surface texture. Do not apply more than 8 mils wet. Avoid puddling.

CLEAN UP

Water or 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

UltraPlex 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.

SAFETY DATA SHEET

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

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



TECHNICAL DATA

4700 SYSTEM ULTRAPLEX™ PRIMER ESD-WB – ESD CONTROL EPOXY PRIMER WATER-BASED

PHYSICAL PROPERTIES

		4700 SYSTEM ULTRAPLEX PRIMER ESD-WB - ESD CONTROL EPOXY PRIMER WATER-BASED
Resin Type		Polyamine converted epoxy
Pigment Type		Carbon Black
Solvents		Water, Glycol Ether
Weight*	Per Gallon	14.3 lbs.
	Per Liter	1.71 kg
Solids*	By Weight	86.1%
	By Volume	71.9%
Volatile Organic Compounds*		<65 g/l (0.54 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		4.0 mils
Wet Film to Achieve DFT		8.0 mils
Practical Coverage at Recommended DFT (assumes 15% material loss)		200 sq.ft./gal.
Mixing Ratio		7:1 base to activator by volume
Induction Period		15 minutes
Pot Life @ 70-80°F (21-27°C) & 50% Relative Humidity		3 hours at 65°F and 50% relative humidity.
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Initial Cure	4-6 hours
	Recoat	10-12 hours
Shelf Life		2 years
Flash Point		>130°F (55°C)
Safety Information		CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED. MAY CAUSE ASTHMA, SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. SEE PRODUCT SAFETY DATA SHEET (SDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION.

*Activated Material

Calculated values are shown and may vary slightly from the actual manufactured material.

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

Phone: 877-385-8155
www.rustoleum.com/industrial

Form: GDH-273
Rev.: 042018