

DUR-A-GLAZE #4 ESD PRIMER

DESCRIPTION

DUR-A-GLAZE #4 ESD PRIMER is a 2-component, 100% solids Static Dissipative Primer. This coating was designed as a concrete primer for DUR-A-GARD ESD. It provides a static dissipative reading of 10^6 - 10^9 \square /Square. DUR-A-GLAZE #4 ESD PRIMER provides an average of 14v Body Voltage Generation when utilizing dissipative footwear. Resistance readings are consistent for the life of the floor and are independent of ambient humidity.

BENEFITS

- Static Dissipative
- 14v Avg. BVG
- Excellent Adhesion
- Dissipates 5000
- Volt charge to Zero in 0.01 seconds

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 85°F. Top-coating with non-conductive waxes or finishes will render the static dissipative properties ineffective. This product is not intended for use in munitions or explosive manufacturing facilities.

TYPICAL USES

DUR-A-GLAZE #4 ESD PRIMER is to be used as a primer for DUR-A-GARD ESD and is therefore not recommended as a stand alone system.

COLORS

DUR-A-GLAZE #4 ESD PRIMER is available in Black only.

PACKAGING

DUR-A-GLAZE ESD is packaged in 1-gallon cans or 5-gallon pails. Shelf life is 6 months in unopened containers. DUR-A-GLAZE #4 ESD PRIMER Resin is mixed with DUR-A-GLAZE #4 ESD PRIMER hardener.

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry. Please refer to the DUR-A-FLEX Surface Preparation Guidelines on our website for more information.

APPLICATION METHOD / SPREAD RATES

DUR-A-GLAZE #4 ESD PRIMER is typically applied with a squeegee and back rolled at 200 SF/gal. Please refer to the DUR-A-GLAZE #4 ESD PRIMER / DUR-A-GARD ESD Application Instructions for more information.

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please refer to the master Specifier's Guide for complete three part guide specs.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please refer to the master Drawings and Details guide for actual drawings.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

MOISTURE CONCERNS

Please refer to the Floor Evaluation Flow Chart in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

CAUTION

Slight batch-to-batch color variations may occur. When ordering to match a previous color, inquire if the same batch number or quality control number is still available. **Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.**

TECHNICAL INFORMATION

Mix Ratio	2 parts Resin to 1 part Hardener	
Color	Black	
Mixed Viscosity at 70° F	1,700 cps	
Pot life at 70° F	20 – 25 Minutes	
Cure Time, Touch Dry at 70° F	8 – 10 Hours	
Cured Film Thickness	8 MILS	
Toxicity	Non – Toxic, USDA Approved	
Physical Property	Test Method	Result
Surface Resistivity	ASTM D-257	10 ⁶ -10 ⁹ Ω/Square
Static Decay	Mil-Std-3010, Method 4046	0.01 Seconds
Voltage Generation (with dissipative footwear)	ESD STM 97.2	14v
Compressive Strength	ASTM D-695 ASTM C-579	16,000 psi 10,500 psi
Tensile Strength	ASTM D-638 ASTM C-307	3,000 psi 1,950 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	4,000 psi 2,900 psi
Hardness (Shore D)	ASTM D-2240	70-80
Linear Shrinkage	ASTM D-2566	0.02%
Linear Expansion	ASTM D-696	2 × 10 ⁻⁵
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
Indentation	MIL D-3134	.025 MAX
Impact Resistance	MIL D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation		140°F – 200°F
Flammability	ASTM D-570	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class A
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM C-501	75 mg loss
Coefficient of Friction	ASTM D-2047	>0.6
VOC Content		7.45 g/l

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood