

Epoxy.com Product #1-ESD

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Electro Static Dissipative Epoxy Floor Coating

Ultra High Solids ESD/Conductive Epoxy Floor

Epoxy.com Product #1ESD

Description

Electrostatic Dissipative Epoxy Coating for ESD Epoxy Flooring - Product #1-ESD is an ultra high solids bis-A epoxy floor coating designed to provide electrostatic control properties to various surfaces including concrete or other nonconductive substrates. The use of a conductive primer will transmit conductive readings through ESD (Electrostatic Dissipative) Epoxy Coating for ESD Flooring Epoxy.com Product #1 if applied no thicker than 15 mils.

ESD (Electrostatic Dissipative) Epoxy Coating for ESD Flooring Epoxy.com Product #1-ESD provides excellent bond to concrete as well as high impact and wear.

Advantage

- Easy Application
- Dissipates a 5000 volt Charge to Zero in less than 0.1 Seconds @72°F and 12%RH.
- Available in Static Dissipative Range of 1,000,000 to 1,000,000,000 ohms per EOS/ESD Standards.

- Consistent Electrical Resistance Ratings When Tested at 10-500 Volts.
- High Gloss
- Good Abrasion Resistance.
- Easy to Clean..

Considerations

- Test for moisture vapor transmission using anhydrous calcium chloride test as per ASTM F-1869 and/or situ RH probe testing per ASTM F-2107. Maximum MVT is 3 pounds per 1000 SF per 24 hour period. Above these values use [Product #100MR Moisture Tolerant Epoxy Primer and Basecoat](#) or [Product #830 Moisture Vapor Epoxy treatment](#).
- Substrates Temperatures must be a minimum of 55-60°F. and a maximum of 85°F.
- Relative Humidity (RH) should be between 30% and 85%. Substrate must be 5°F above the measured dew point.
- Substrate must be clean and free of Dirt, waxes, curing agents and any other foreign material that will interfere with bonding. See [Epoxy.com Surface Preparation Guide](#) for more details.

Composition

Ultra High Solids Bis-A Epoxy Resin and Conductive Fillers.

Color Selection

ESD (Electrostatic Dissipative) Epoxy Floor Coating for ESD Flooring Product #1-ESD is available in Epoxy.com Colors listed to the right. Custom colors available as approved.



Application

Surface Preparation

Surface preparation is considered to be the most important step of any resinous flooring application. Improper surface preparation could turn what seems to be a simple process into a lengthy, difficult repair. See [Epoxy.com Surface Preparation Guide](#) for proper surface preparation procedures. When in doubt you should always contact Epoxy.com Technical Support with your questions.

Installation

Electrostatic Dissipative (ESD) Epoxy Floor Coating - Product #1-ESD is normally spread with a trowel or squeegee and back-rolled with a 3/8" medium nap roller. Care should be taken to minimize the entrapment of air caused by over rolling.

Clean Up

Clean skin with soap and water. Tools and equipment should be cleaned with xylene or lacquer thinner.

Coverage

ESD (Electrostatic Dissipative) Epoxy Coating for ESD Flooring - Product #1ESD will yield 12-15 mils when spread at 100-130 sq ft/gal. 15 mils is considered the maximum thickness.

Maintenance

After completing the application of **ESD (Electrostatic Dissipative) Epoxy Coating for ESD Flooring - Product #1ESD**, the installer should provide the owner with maintenance instructions relevant to the specific topcoats or floor covering. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly.

Availability

Contact Epoxy.com Customer Service Department.

Proper mixing and installation is critical to the optimal success of all product. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

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20774 W. Pennsylvania Ave.

Dunnellon, Florida 34431

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USA

Physical Data

Flammability	ASTM D-635	Self Extinguishing
Fungus & Bacteria Growth	Mil-F 52505§4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew
Hardness	ASTM D-2240	70-80 Shore D
Bond Strength to Concrete	ASTM D-4541	Greater than 300psi (100% concrete failure)
Water Absorption	ASTM D-570	Nil
Thermal Shock Resistance	ASTM C-884	Passes
Abrasion Resistance	ASTM D-6040	75-100mgs
Impact Resistance	ASTM D-2794	100 in-lbs direct

Technical Data

Pot Life	35-40 Min. (@73°F)
Foot Traffic	14-16 hours (@73°F)
Complete Cure	5 days (@73°F.)
VOC Content	Less than 50gm/l
Weight per Gallon	10.5-11 lbs per gal.
Glass, 60°	Greater than 80

Technical Service

Consult the [Installation Manual](#) for **ESD (Electrostatic Dissipative) Epoxy Coating for ESD Flooring - Product #1ESD** or Contact Epoxy.com Technical Support Department.

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