

Epoxy.com Product #677

- [Home](#)
- [Product Catalog](#)
- [About Us](#)
- [Chemical Resistant](#)
- [Epoxy Coatings](#)
- [Flooring](#)
- [Installation](#)
- [Joints](#)
- [Mortars & Grouts](#)
- [Primers & Sealers](#)
- [Specifier's Info](#)
- [Structural](#)
- [Waterproofing](#)
- [MSDS & Tech Data](#)
- [Ordering Info](#)

The Right Product for the Right Job Since 1980



[\[Contact Us\]](#)

Epoxy.com Product #677

Electro Static Dissipative (ESD) /CONDUCTIVE COATING

DESCRIPTION

Epoxy.com Product #677 is a pigmented, water-based epoxy coating designed to achieve either an electro-static dissipative (ESD) finish or conductive finish by modifying the underlying system components and thickness. Epoxy.com Product #677 has very low odor making it suitable for use in occupied buildings and has high bond strength and adhesion to concrete and other surfaces.

ADVANTAGES

- Durable, Attractive, Chemical Resistant, Non-Porous, Light Reflective Finish.
- Low Odor during application and cure.
- Maintains Electrical Conductivity Performance over the Wear Life of the System
- Fast Dry and Re-coat Time.
- Easy Clean-up.
- Provides an ESD finish in the range of 1,000,000 to 1,000,000,000 ohms resistance when used over a non-conductive primer/basecoat or a conductive finish in the range of 25,000 to 1,000,000 ohms resistance when used over a conductive

primer/basecoat.

CONSIDERATIONS

- Substrate must be above 50°F and relative humidity below 85% for proper curing.
- Substrate must be free of dirt, waxes, curing agents and other foreign materials.
- Excessive moisture in the substrate will require a moisture vapor control treatment.

TYPICAL USES

Concrete floors and walls in electronic component assembly areas, data processing, military/aerospace, pharmaceutical plants, hazardous industries (dust or explosion hazards). For use in any areas where the build-up of static electricity is a concern or a spark-proof floor is required.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared and tested for moisture as outlined in Epoxy.com [Surface Preparation Guidelines](#).

INSTALLATION

Mix Part B of Epoxy.com Product #677 prior to combining. Mix 1 part Part A with 2 parts Part B. Epoxy.com Product #677 at a rate of 200 ft² per gallon per coat with a short nap roller. Care should be taken to avoid puddles. Two coats are necessary to insure uniform coverage.

Epoxy.com Product #677 Thin-Film ESD Epoxy Coating System ◆ 12-15 Mils
(1,000,000-1,000,000,000 ohms)

Material	Qty./ 1000 SF	Coverage
1. Epoxy.com Product #899 Epoxy Primer	4-5 gallons	200-250 SF /gallon
2. Epoxy.com Product #677 ESD/Conductive Epoxy Coating	5 gallons	200 SF /gallon
3. Epoxy.com Product #677 ESD/Conductive Epoxy Coating	5 gallons	200 SF /gallon

CLEAN-UP

Clean skin with soap and water. Tools and equipment should be cleaned with warm soapy water, xylene or lacquer thinner. Consult Material Safety Data for safety and health precautions.

COMPOSITION

Waterborne Epoxy Resin and Conductive Fillers

COVERAGE

Epoxy.com Product #677, when applied at 200 SF per gallon, yields 5.2 ◆ to 6.0 mils dry film thickness.

TECHNICAL DATA

Viscosity @ 75°F	600-1000 CPS
Mixing Ratio	1 Part A to 2 Parts B by Volume

Solids Content, by volume	50-55%
Volatile Organic Content (VOC)	<20 gm/L
Bond Strength to Concrete	400-500 psi (100% concrete failure)
Weight per Gallon, mixed	8.75-9.00 pounds per gallon, mixed

CURE/DRY TIME

Pot Life	20-30 min.
Dry to touch	6 hours @ 75°F
Recoat	8-24 hours @ 75°F
Light Traffic	24 hours @ 75°F
◆H◆ Hardness	2 days
◆5-H◆ Hardness	30 days

AVAILABILITY

Contact Epoxy.com Customer Service Department at 321-206-1833

Maintenance

Remove animal fats, oil, grease or soap film promptly to reduce slipperiness. Epoxy.com Product #677 can be cleaned with neutral soaps and detergents. If long periods of heavy traffic cause wear patterns reapply as need. Anti-skid materials will reduce the effectiveness of the static dissipative properties of this material. Do not use aggressive anti-skids. It is impossible to get an accurate reading of the conductivity of the floor if anti-skids are used.

Technical Services

Contact Epoxy.com Technical Support with your questions about this product at 352-533-2167. Epoxy.com Technical Support Department can help you with the selection, specification, installation, and maintenance of Epoxy.com products, or visit www.epoxy.com.

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

A Division of [Epoxy Systems, Inc](#)

20774 W. Pennsylvania Ave.

Dunnellon, Florida 34431

[Hundreds of Systems](#),

Since 1980 - Over 33 years

Florida & Vermont

USA

Customer and Technical Support Hours: 9AM-4PM Eastern Time (6AM-1PM Pacific Time).

Closed 12 Noon-1PM Eastern Time for Lunch

321-206-1833 Customer Service - Ordering and Order Status

Katey Fontaine, VP - Customer Service Director

sales@epoxy.com

Technical Support

352-533-2167 Norm Lambert, President - Technical Support Director

info@epoxy.com

352-489-1666 Accounting and Administration
Debby Lambert, CEO, and CFO
office@epoxy.com

352-489-1625 Fax line to all Departments



Copyright © 1994-2015 - Epoxy Systems Inc. DBA Epoxy.com - Commercial, Industrial, and Residential Resins Since 1980

[Home](#) [Sales Terms](#) [MSDS &Tech Data](#) [Online Ordering Authorization Form](#) [Add this page to Favorites](#)

/

[Secure Login](#)