

## FF-1001 STATIC DISSIPATIVE FLOOR FINISH

### I. Description

**NEW TECHNOLOGY** - Advanced polymeric technology makes STATIC TECH floor finish unsurpassed for durability, gloss and scuff resistance. Newly developed acrylic emulsified polymers are used to create an ESD control floor finish that performs well and is easy to maintain.

**AN EXCLUSIVE MATRIX OF INGREDIENTS** - Our exclusive formula uses a matrix of ingredients, balanced to ensure uniform performance despite variations in temperature and humidity. Unlike other ESD control waxes that become slippery at high humidity levels or dry and ineffective at low humidity – STATIC TECH floor finish provides dependable and uniform protection in all factory environments.

Static Technologies floor finish meets the requirements of static dissipative materials per ESD ADV1.0-1994. The finish will effectively dissipate static charges from individuals wearing ESD control footwear.

The acrylic finish has excellent antistatic properties, with charge generation of less than 200 volts. The low tribogenerative characteristic is useful in reducing static in computer rooms and other areas where foot grounding devices are not practical.

### II. Specifications

Charge Decay: 0.02 Seconds

Charge Generation: < 200 volts

Color: Translucent white (as liquid)

Coverage Per Gallon: 1500- 2000 SF per coat

Density: 8.5 - 8.8 lbs. per gallon

Drying Time: 45 minutes typical

Freeze /Thaw Stability: 3 cycles minimum

Gloss ( 3 coats @ 60° ): 80

Non-volatile Solids: 18 – 20%

Resistivity: 10<sup>6</sup> to 10<sup>9</sup> ohms per square per ESD S7.1-1994

Slip Resistance: 0.55 minimum per ASTM D2047

Storage Temperature: 35-95° F

### III. Safety Information:

STATIC TECH Dissipative Floor Finish is a nonhazardous material. For complete information request MSDS FF-1001.

### IV. Part Numbers

P/N	ITEM
FF-1001	Floor Finish, 1 gallon
FF-1005	Floor Finish, 5 gallon
FF-1055	Floor Finish, 55 gallon

### V. The System

To effectively dissipate charges, dissipative floor finish should be used with ESD footwear. Static Technologies manufactures a variety of durable heel and toe grounders that are safe, effective and economical.

Due to its low tribogenerative properties, Static Technologies dissipative floor finish can reduce overall static charge levels without ESD control footwear. This makes it an effective product for reducing static in offices and computer rooms. However, individuals should always wear ESD control footwear for proper grounding while handling ESD sensitive electronic devices.

Static Technologies Corporation ♦ 61 Pleasant Street ♦ Randolph, MA 02368 U.S.A.

Telephone: 781-961-7220

Email: [statictech@xensei.com](mailto:statictech@xensei.com)

Fax: 781-961-1858

Website: [www.static-tech.com](http://www.static-tech.com)

## VI. Application

Apply finish to clean dry surfaces at RH levels between 40 and 65% and temperatures above 60° F. Application in areas with poor ventilation or unusually high humidity levels may adversely affect product's performance. For initial application, remove existing floor finish with a low residue floor stripper, such as Static Technologies FF-2001. Follow directions on the stripper container. Make sure that the floor is thoroughly rinsed and dry before applying finish.

Three initial coats are recommended for maximum effectiveness. Use a clean synthetic mop, which is dedicated exclusively for floor finish application. Apply coats evenly and allow the floor to dry thoroughly between coats. A minimum drying times of 45-60 minutes between coats is generally required. Drying time will be affected by temperature and humidity.

*Overnight drying between coats results in maximum durability. The floor should dry thoroughly before resuming normal foot traffic.*

## VII. Maintenance

A conscientious program of routine maintenance is essential for maximum performance and appearance.

### 1. Daily Cleaning

The floor should be dry mopped with an untreated mop or vacuumed daily to remove loose dirt.

### 2. Burnishing

Periodic burnishing of the finish will increase gloss and hardness. Wait a minimum of 48 hours after applying finish before burnishing. Use a high speed (1000-1500RPM) burnishing machine with a burnishing grade synthetic pad. Do not use natural bristle pads, as they are too abrasive. Dry mop both before and after burnishing.

### 3. Additional Coats of Floor Finish

Periodic recoating restores gloss and renews ESD control properties. Prior to recoating, damp mop the floor with a neutral floor cleaner to remove dirt and scuff marks. Apply two thin coats of Static Technologies dissipative floor finish, allowing adequate drying time between coats.

High traffic areas can be cleaned and spot finished to bring the entire floor up to acceptable levels.

Monthly refinishing usually provides desired results. Frequency of necessary refinishing will be affected by the amount of traffic and the care taken during routine maintenance. Periodic stripping of the floor is recommended to avoid excessive build up of finish.

## VIII. Monitoring the Floor

Daily checking of the floor's resistivity is an effective means of ensuring that additional coats are not required. Priority should be given to checking entrance hallways and other high traffic areas.

Static Technologies offers two meters that are convenient and easy to read. For information on these units refer to Technical Bulletin TB-SR1001 and TB-SR2001.

All statements, technical information and recommendations related to the seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before using the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.