

Informative Bulletin

Market Segment :

Building Service Contractors, Education, Government, Healthcare, Lodging_Hospitality, Other, Retail

Product:

N/C NO CHARGE® STATIC DISSIPATIVE FLOOR FINISH

Product Number :

04013

Main Body:

***N/C No Charge* ® Static Dissipative Floor Finish**

Static contamination –you cannot feel it at levels under 3,500 volts...

Static contamination – you cannot see it at levels under 6,000 volts...

**Static contamination – humans could generate up to 12,500 volts just walking
across a floor...**



Floor Coating & Finishing Material

Electrostatic discharge (ESD) floor care is an **integral necessity of an effective and protective ESD Control Program**. It is a necessary task for manufacturers and handlers of goods and services in the field of electronic devices and components. The wearing of wrist and heel straps in an ESD environment will not totally diminish electrostatic charge.

With an ESD floor care program in place, the floor finish will add further protection from most types of ESD damage. Static causes two forms of damage:

1. Degraded electronic components causing premature failure.
2. Complete failure making electronic components unusable.

While ESD floor care is still being investigated, two major objectives are to be considered by end users to insure maximum protection.

1. Prevention of the accumulation of electrical charges when walking on a floor or moving an object on the floor surface.
2. Dissipation of electrical charges from the human body or an object on the floor.

PRODUCT DESCRIPTION:

***N/C No Charge* Static Dissipative Floor Finish** is an emulsion formulation containing proprietary thermoplastic polymers, resins and waxes designed for use in environments where ESD floor care programs are imperative.

N/C No Charge **Static Dissipative Floor Finish** creates a finish that aids in the prevention of an accumulation of electrical charges. It also aids in dissipating electrical charges from the human body or from an object on the floor.

N/C No Charge **Static Dissipative Floor Finish** provides a high shine finish with exceptional gloss, depth and clarity.

N/C No Charge **Static Dissipative Floor Finish** far exceeds acceptable static decay time standards of less than 0.1 seconds. It has a capacitance and surface resistance of decay resulting in a 5,000 volts charge to zero in 0.02 – 0.03 seconds per FTMS (Federal Test Method Standard) 101B, method 4046.

N/C No Charge **Static Dissipative Floor Finish** protects flooring surfaces from premature wear and tear. Extends the overall life, appearance and eases the cleaning maintenance schedule for the flooring surface.

N/C No Charge **Static Dissipative Floor Finish** evaluations are listed below for its anti-static properties.

N/C No Charge **Static Dissipative Floor Finish** performance standards are sustained in both low and high humidity environments.

Samples Applied on Stripped White Composition Tile (White OVCT)	Static Decay +/- 5000 Kilovolts Mil-B-81705B Standard < 2 sec.	Surface Resistivity Megohmmeter at 500 volts ASTM D257-78 Standard: Per Customer Requirements
<i>N/C No Charge</i> Static Dissipative Floor Finish	0.02 / 0.03	2.0 x 10 ⁹ Ohms
<i>N/C No Charge</i> Static Dissipative Floor Finish & <i>N/C No Charge</i> Static Dissipative Floor Cleaner	0.03 / 0.04	1.7 x 10 ¹⁰ Ohms
Leading Competitor C Finish	16.3 / > 20.0	2.1 x 10 ¹⁰ Ohms
Leading Competitor C Finish & Static Dissipative Cleaner	0.13 / 0.15	1.1 x 10 ¹⁰ Ohms
Uncoated Tile	> 20.0 / >20.0	2.3 x 10 ¹⁰ Ohms
Uncoated Tile with <i>N/C No Charge</i> Static Dissipative Floor Cleaner	0.20 / 0.21	1.9 x 10 ¹⁰ Ohms

DIRECTIONS FOR USE:

Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet. If questions remain, consult your employer or a physician.

Wet floors may be slippery. Prevent pedestrian traffic with signs or barricades.

Always wear personal protective equipment

INITIAL TREATMENT

I. STRIP: Completely strip all old wax or floor finish. Use Spartan L.O.E. Stripper, Rinse Free Strip, or Shinline Emulsifier Plus. Follow label *directions for use* .

II. FINISH: Apply three to five uniform coats of *N/C No Charge* Static Dissipative Floor Finish. Allow each coat of finish to dry at least thirty minutes between applications.

III. DRY & CURE: For maximum results, **allow** *N/C No Charge* Static Dissipative Floor Finish to dry and cure for 24 hours.

WET MOP METHOD

Required Equipment:

- 16 to 20 ounce rayon strand mop
- Mop bucket with a ringer
- Gloves
- Goggles

Use a clean 16 to 20 ounce rayon strand mop and a mop bucket with a wringer. Fill bucket half way full with floor finish. **Saturate the mop. Do not agitate, as this will cause foaming and possibly streaking and bubbles.** Wring mop out where the bottom strands no longer drip, and start applying finish. APPLYING

FINISH WITH APPLICATOR

Required Equipment:

- Clean lamb's wool block-type applicator
- Shallow pan sized to accommodate applicator
- Gloves
- Goggles

Pour finish into shallow pan. Dip the clean applicator into the finish. Slide the lamb's wool applicator over the edge of the pan to remove excess finish. Apply finish with long, even strokes. When applying additional coats, apply it in the opposite direction of the previous coat.

SHORT STRAND DRY MOP WAXING (Dust-mop type)

Required Equipment:

- Short strand dry type mop
- Shallow pan sized to accommodate applicator
- Gloves
- Goggles

Recommended for small floor areas. Pour finish into shallow pan. Dip the clean applicator into the finish. Slide the lamb's wool applicator over the edge of the pan to remove excess finish. Apply finish with long, even strokes. When applying additional coats, apply it in the opposite direction of the previous coat. Short strand dry-type mop can be pushed and pulled or stroked from side to side.

MAINTENANCE

Frequency of Use:

DAILY: Dust floors prior, and damp mop with *N/C No Charge* Static Dissipative Cleaner as needed.

WEEKLY: Dust floors and thoroughly mop with *N/C No Charge* Static Dissipative Cleaner.

MONTHLY: Dust floors and scrub with *N/C No Charge* Static Dissipative Cleaner. Re-apply *N/C No Charge* Static Dissipative Finish.

YEARLY: Deep scrub and re-coat, or completely strip and reapply *N/C No Charge* Static Dissipative Finish.

NOTE: For best maintenance results, always use *N/C No Charge* Static Dissipative Floor Cleaner. Do not use an auto scrubber to clean the floor. Do not use a high alkaline cleaner to damp mop the floor as this will damage the static dissipative properties of the floor.

CAUTION: May cause eye and skin irritation. Inhalation of vapors may cause respiratory irritation, headache and nausea. Harmful if swallowed. Diethylene glycol monoethyl ether may be absorbed through the skin in harmful amounts. Ingestion of diethylene glycol monoethyl ether may cause central nervous system and respiratory depression, gastrointestinal tract, liver and kidney impairment. Avoid contact with eyes and skin.

First Aid: Eyes--In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.

Skin--Flush skin with water. Remove and wash clothing before reuse. If irritation persists, get medical attention.

Ingestion--If swallowed, do not induce vomiting. Drink large amounts of water to dilute product. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Inhalation--In case of respiratory irritation; move person to fresh air. If irritation persists; get medical attention.

Keep away from children.

SPECIFICATION DATA:

Specific Gravity -- 1.028 @ 24 °C/75 °F

Total Solids – 23.0 - 23.52%

Nonvolatile Solids – 18.5-19.0%

pH (concentrate) – 8.5 – 9.0

Stability

a. Shelf @ 24 °C / 75 °F -- one year

b. Accelerated @ 52 °C / 125 °F -- 60 days minimum

c. Freeze / Thaw -- can withstand 3 cycles

Static coefficient of friction meets or exceeds 0.5 as determined by ASTM method D 2047.

Coverage -- 2,500 to 3,000 square feet per gallon depending on application method and porosity of floor.

PACKAGING:

N/C No Charge **Static Dissipative Finish** is packaged in The Big Kid

330 gallon tote; 275 gallon intermediate bulk container constructed of high density polyethylene (HDPE) with caged outer shell; 55, 30, and 15-gallon drums, 5-gallon pails; and gallons, four per case. Label copy is available in English and Spanish. Secondary labels are also available.

GUARANTEE:

Spartan's modern manufacturing and laboratory controls insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.

Some materials may require special handling or application. Please refer to the appropriate Material Safety Data Sheet, literature and label.

Sales Tips: