



Zero Charge Floor Coating

1720

Techspray's ESD-safe products can help maintain work areas within the ANSI/ESDS20.20 standards set by the ESD Association (www.esda.com). In a static-free environment, the work area, tools and personnel form a circuit (see diagram to right). Electrostatic Discharge (ESD) occurs when the charges of two surfaces with a large electronic potential (difference) equalize instantaneously. The resulting discharge or spark can cause catastrophic or latent damage to electronic components. ESD programs maintain an equal potential by maintaining continuous contact with ground, avoiding ESD damage. Cleaners, lotions, and coatings are an integral part of an ESD control program.



ESD-safe floor coating

Fast drying, antistatic coating eliminates static charge and reduces triboelectric generation from flexible surfaces. Ideal for plastics, fabrics, and carpet.

- Resistivity between 10^6 To 10^{10}
- High gloss polymer
- Non-ozone depleting
- Slip resistant
- Effective in low humidity
- Zinc free

Specifications:

- NFPA 56A
- USDA Approved

Product Packaging

1720-G
Zero Charge Static Dissipative
1 gal
1 units/case



1720-5G
Zero Charge Static Dissipative
5 gal
1 units/case



1720-54G
Zero Charge Static Dissipative
54 gal
1 units/case





Instructions

PREPARATION

1. Read and follow enclosed instructions carefully
2. Must have clean equipment (bucket, ringer, mops)
3. Must use a different rayon mop for each procedure (3-4 needed). Make sure to use a mop dedicated to each step; for example, do not use a mop that has been used to strip or mop floors when applying 1720.
4. Take your time

RINSE

Rinse floor thoroughly (2-3 times) with clean water, using a new mop. Use deionized water, if available. Remove excess with a "wet vac".

FLOOR COATING

Again, with a damp, clean rayon mop and clean pails, apply coating (1720) as follows:

1. Apply thin coat to floor, i.e. 3/4-way down on the ringer. Coat the floor uniformly; avoiding excessive foaming. Let dry to touch, approximately 60 minutes.
2. Apply a second coat, approximately 1/2-way down on the ringer. Do not use force air drying.
Note: Two coats only are recommended for conductive tile. Applying a third coat may cause the material to fall into the static dissipative range and out of the conductive range.
3. If a third coat is applied, repeat Step 2.
4. Allow last coat to dry overnight or minimum of six hours before permitting any kind of floor traffic on the newly coated area. An overnight cure is preferred.
5. Allow minimum of 48 hours of drying time before performing any wet maintenance (restoring and spray burnishing) on the newly coated floor.

Tips: If you are leaving streaks, the solution is too thin. If there are bubbles, the solution is going on too thick. You must pay attention to the thickness of the coating. If applied too thick, moisture can get trapped in the lower coating and the material will not dry properly, causing the coating to flake.

MAINTENANCE

1. Dust mop with a dry untreated mop daily, or as needed, to remove accumulated dirt and insulative contaminants.
2. Wet mop once or twice per week as required with clean water.
To remove scuff marks and dirt, the floor can be buffed with a red pad. Approximately every third buffing, apply a thin coating of 1720. It is recommended that no more than 4 or 5 coatings accumulate. Then consideration should be given to stripping the floor and starting over.

In high traffic areas, you can spray buff as required. Use a 4 to 1 (water to coating) solution and apply a very fine mist to the floor. While the floor is still wet, buff with a white pad until dry.

If you find the surface resistivity readings going above 10^9 , you can dry buff with a white pad. This may bring the readings down. If there are any rough areas, spray buff as described above. Take your readings once the floor has cooled down from buffing. If the reading is not coming down to spec it is time to start over again.

GENERAL NOTES

1. Techspray's 1720 will cover approximately 1200 sq. ft./gallon with 2 coats.
2. Each mop may be maintained in its original solution for maintenance purposes.
3. Do not use mops for any other application other than its original use. Contamination can cause serious problems.
4. Clean the pails thoroughly. Avoid using the pails for any other use.
5. When starting from scratch, start with new mops. Do not use cotton mops, as they leave lint behind.



6. It is crucial to set up a program to take regular readings from appropriate test sites to know what is happening to the floor and to set up a proper maintenance program tailored to your requirements. All surface resistivity readings should be taken when floor is at room temperature.

7. Do not introduce any foreign substances, i.e. sealers or ammonia-based cleaners.

Technical Information

Chemical & Physical Properties

Appearance	Opaque white
Odor	Aromatic odor
Flash Point	none
VOC (EPA)	5.15% wt, 53.73 g/l
Boiling Point	100°C (212°F)
Density	1.04 @ 25°C

Chemical Composition

CHEMICAL NAME	CAS #
Water	7732-18-5
Acrylate Copolymer	
Ethanol,2-butoxy-, phosphate	78-51-3
1,2-Propanediol	57-55-6
Potassium Chloride	7447-40-7
Alcohols, C12-C13, ethoxylated	66455-14-9
Ethoxylated secondary alcohol	84133-50-6
Sodium lauryl sulfate	68585-47-7
Sodium laurel ether sulfate	68891-38-3
Tall oil fatty acid potassium salt	61790-44-1
5-Chloro-2	55965-84-9

Performance & Application Data

Viscosity	10-20 CPS @ 25°C
Solids	23%
Sheet resistivity	2.1 E7



Environmental Policy

Techspray is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Resources

Techspray products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

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Call to locate a distributor in your country.

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