

SEAL 20.20

ANTI-STATIC PROTECTANT FOR VINYL AND CONCRETE FLOORING

1. PRODUCT OVERVIEW

StaticWorx SEAL 20.20 is an anti-static protectant formulated for use on standard, conductive, and static-dissipative solid vinyl tile (SVT) as well as sealed or polished concrete floors. It is designed to maintain consistent electrostatic dissipative (ESD) properties while providing surface protection, durability, and ease of maintenance in static-sensitive environments.

The polymer system in StaticWorx SEAL 20.20 incorporates a static-dissipating component that is chemically integrated into the structure, minimizing the risk of washout or leaching over time.

2. APPLICATIONS

SEAL 20.20 is suitable for use in environments requiring static control, including:

- ✓ **Electronics Manufacturing**
- ✓ **Computer Server Rooms**
- ✓ **Data Centers**
- ✓ **Telecommunications Infrastructure**
- ✓ **Cleanrooms and Laboratories**
- ✓ **Medical and Pharmaceutical Production Facilities**

3. KEY PERFORMANCE BENEFITS

- ◆ **Reliable Static Control** – Dissipates static in 0.02 seconds and measures < 10E9 ohms.
- ◆ **Easy to Use** – Simply strip old finish and mop on. Use on new or older vinyl or concrete.
- ◆ **High Gloss** – Delivers a brilliant shine with 80+ gloss (600 @ 3 coats), enhancing the professional appearance of any space.
- ◆ **Durable** – Resistant to wear, washout, and leaching for long-lasting protection.
- ◆ **Ease of Maintenance** – Simplifies upkeep; compatible with StaticWorx maintenance products.
- ◆ **Sustainability** – Low VOC content (54 grams/liter) supports environmentally conscious facilities

4. TECHNICAL SPECIFICATIONS

Property	Value
Non-volatile Solids	22 ± 0.6%
Total Active Ingredients	25%
Surface Resistance (ASTM F150)	<@ 40% RH
Static Dissipation	0.02 seconds
pH	7.4 – 8.0
Gloss (60° @ 3 coats	80+
Color	Blue-Green
Weight per Gallon	8.4 – 8.6 lbs
Slip Resistance (ASTM D2047)	≥ 0.55
Stability	Minimum 1 year at room temperature
Freeze/Thaw Stability	3 cycles minimum
Drying Time	1-2 hours per coat
Water Resistance	Good
Coverage	1,500 – 2,000 ft ² per gallon
Removability (Gardner Test)	75 cycles maximum
VOC Content	54 grams/liter

5. APPLICATION GUIDELINES

5.1 Surface Preparation

- Ensure the floor surface is at least 60°F (16°C) with relative humidity between 40-60%.
- Strip old coatings using a compatible floor stripper. Follow the manufacturer's stripping procedure.

5.2 Application Instructions

- Static-dissipative or conductive tile: Apply 2 coats for optimal performance.
- Solid vinyl composition tile (VCT): Apply 3 to 5 coats to achieve static-dissipative properties.
- Coat application limit: Do not apply more than 3 coats within a 24-hour period.
- Conductive tile caution: Applying more than 2 coats on conductive tile may increase resistivity, reducing conductivity and shifting the flooring into the static-dissipative range.
- Dry time between coats: Allow 1-2 hours for drying between coats, depending on ambient temperature and humidity conditions.

5.3 Recoating of Existing Finish

- Sweep or dry mop to remove loose debris.
- Clean with an ESD-safe floor cleaner to remove any accumulated dirt, oil, or residue.
- Apply thin, even coats of StaticWorx SEAL 20.20 as needed, maintaining drying intervals of 1-2 hours per coat.
- Recoating frequency varies based on environmental conditions and maintenance practices.

6. MAINTENANCE GUIDELINES

6.1 Routine Maintenance

Daily: Sweep or dry mop with an untreated microfiber mop to remove dust and abrasive particles.

- Regular Cleaning: Damp mop using an ESD-safe cleaner to remove soil, salt, and film buildup that could degrade static-dissipative properties.

6.2 High-Gloss Maintenance (Optional)

- Use a gloss maintainer in combination with a high-speed burnisher (1,550 – 2,500 RPM) to enhance gloss and maintain static control properties.
- Apply gloss maintainer using a bucketless mop and microfiber finish applicator.
- Wait at least 5 days after the last coat of StaticWorx SEAL 20.20 before burnishing. Buffing or burnishing too soon may result in a hazy finish.

6.3 Refinishing

- Use an ESD-safe floor stripper to remove StaticWorx SEAL 20.20 and prepare for reapplication.
- Follow proper application techniques for re-coating.

6.4 Environmental Considerations

- Do not apply in excessively humid conditions (>60% RH).
- Avoid dry buffing or burnishing without applying a gloss maintainer, as this may affect ESD performance.

7. SAFETY INFORMATION

Personal Protective Equipment (PPE): Safety glasses and gloves should be worn during handling and application.

Health & Safety Ratings (NFPA 704 & HMIS):

Health: 1 Flammability: 0 Reactivity: 1 Personal Protection: B (Gloves & Safety Glasses)

First Aid Measures:

- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Flush eyes with water for at least 15 minutes. Seek immediate medical attention
- **Inhalation:** Move individual to fresh air. If symptoms persist, seek medical attention.
- **Ingestion:** Rinse mouth and seek medical attention. Do not induce vomiting.

For further information, refer to the **StaticWorx SEAL 20.20 Safety Data Sheet (SDS)**.

8. STORAGE AND HANDLING

- Store in a sealed container in a cool, dry location.
 - Protect from freezing and direct sunlight.
 - Keep away from strong acids and oxidizers.
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9. DISPOSAL CONSIDERATIONS

- Dispose of material in accordance with local, state, and federal regulations.
 - Do not discharge into water systems or soil without proper treatment and regulatory approvals.
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10. REGULATORY COMPLIANCE

- **VOC Content:** Compliant with federal and state regulations (54 g/L).
 - **OSHA Hazard Communication Standard (29 CFR 1910.1200):** Not classified as hazardous.
 - **TSCA (Toxic Substances Control Act):** All ingredients listed.
 - **EPA & Clean Air Act Compliance:** Does not contain Class I or Class II ozone-depleting substances.
 - **California Proposition 65:** Contains chemicals known to the state of California to cause reproductive harm.
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11. CONTACT INFORMATION

For additional technical specifications, application guidance, or safety inquiries, contact:

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This **Technical Data Sheet (TDS)** provides essential information for the proper application, maintenance, and handling of **StaticWorx SEAL 20.20**. Ensure compliance with safety guidelines and local regulations for optimal performance and workplace safety.