

CSI / MASTERFORMAT SPECIFICATION

SparkleTuff® Anti-Slip Floor Coating

SECTION 09 67 00

FLUID-APPLIED FLOORING

(Clear Anti-Slip Floor Coating)

PART 1 — GENERAL

1.01 SUMMARY

- A. Furnish and install a clear, fluid-applied, anti-slip floor coating system designed to improve slip resistance while maintaining the appearance of the underlying surface.
 - B. The coating shall be suitable for interior and exterior applications on stone, tile, concrete, epoxy, polyaspartic, and similar hard flooring substrates.
 - C. The coating system shall be **SparkleTuff® Anti-Slip Floor Coating**, as manufactured by Safety Direct America.
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1.02 REFERENCES

- A. ASTM D3359 – Standard Test Methods for Rating Adhesion by Tape Test
 - B. ASTM D2047 – Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces
 - C. ANSI A326.3 – Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials (where applicable)
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1.03 SUBMITTALS

- A. Product Data: Manufacturer's current technical data sheets and installation instructions.
- B. Samples: If requested, provide cured samples demonstrating surface appearance and texture.
- C. Warranty: Manufacturer's standard product warranty.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer shall have a minimum of ten (10) years experience supplying anti-slip floor coating products.
 - B. Installation Requirements: Install coating in strict accordance with manufacturer's written instructions.
 - C. Use only application tools supplied or approved by the manufacturer.
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1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original, unopened containers bearing manufacturer's identification and labeling.
 - B. Store materials in accordance with manufacturer's recommendations.
 - C. Protect materials from contamination, moisture, and extreme temperatures.
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1.06 WARRANTY

- A. Provide manufacturer's standard warranty against defects in materials.
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1.07 SUSTAINABILITY / LEED CONSIDERATIONS

A. General:

SparkleTuff® Anti-Slip Floor Coating may contribute to sustainable building objectives by extending the service life of existing flooring surfaces and reducing the need for replacement.

B. Material Longevity:

The coating is designed to provide long-term durability, reducing maintenance cycles, repainting, and material waste over the life of the floor.

C. Indoor Environmental Quality (IEQ):

When applied and cured in accordance with manufacturer instructions, the coating does not introduce loose particulates into the occupied space and contributes to safer walking surfaces.

D. Slip Resistance & Safety:

Improved slip resistance may support safer building operation and reduced incident risk, contributing to sustainable facility management.

E. Waste Reduction:

The system is applied as a thin, fluid-applied coating, minimizing material usage and jobsite waste. Disposable application tools eliminate the need for solvent-based cleanup.

PART 2 — PRODUCTS

2.01 MANUFACTURER

A. Acceptable Manufacturer:

SparkleTuff® Anti-Slip Floor Coating

Safety Direct America

Direct Link: <https://safetydirectamerica.com/diyabrasivefloorcoatings/>

Website: safetydirectamerica.com

B. Substitutions:

No substitutions permitted without prior written approval.

2.02 MATERIALS

A. SparkleTuff® Anti-Slip Floor Coating:

1. Two-component, clear, fluid-applied coating system
 2. Integrated aluminum oxide aggregate for slip resistance
 3. Gloss finish (satin [less glossy] version also available)
 4. UV-resistant, stain resistant, scratch resistant, and chemical-resistant
 5. Suitable for interior and exterior applications
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2.03 PERFORMANCE REQUIREMENTS

A. Slip Resistance:

Coating shall significantly improve slip resistance on wet and dry surfaces when applied in accordance with manufacturer instructions.

B. Durability:

Coating shall cure to a hard, abrasion-resistant finish suitable for commercial and institutional foot traffic.

C. Adhesion:

Coating shall exhibit strong adhesion to properly prepared substrates.

2.04 ACCESSORIES

A. Application Rollers:

Use only rollers or roller covers supplied or approved by Safety Direct America.

B. Mixing Containers:

Use appropriately sized containers to allow proper mixing of components.

2.05 ENVIRONMENTAL ATTRIBUTES

A. Durability:

Product is intended for long-term service, reducing environmental impacts associated with frequent recoating or floor replacement.

B. Renovation-Friendly Application:

Designed for use over existing flooring substrates, reducing demolition, landfill waste, and embodied carbon associated with floor replacement.

PART 3 — EXECUTION

3.01 EXAMINATION

A. Verify substrates are clean, dry, and free of grease, oils, and contaminants prior to application.

B. Do not apply coating to surfaces that are unsuitable or improperly prepared.

3.02 SURFACE PREPARATION

A. Clean and degrease surfaces using manufacturer-recommended methods.

B. Ensure surface is dry prior to application.

3.03 MIXING

A. Mix Part A thoroughly prior to combining.

B. Combine Part A and Part B in precise ratios as specified by the manufacturer. If mixing an entire container, there is no need to measure the two parts. Just combine them together in their entirety.

- C. Mix until a completely homogeneous material is achieved.
 - D. Do not dilute.
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3.04 APPLICATION

- A. Apply coating using approved roller and paint tray.
 - B. Apply in a **thin, even coat**; excessive material shall not be applied.
 - C. Roll coating in multiple directions to evenly distribute aggregate.
 - D. Final passes shall be made in a single direction to achieve uniform appearance.
 - E. Inspect surface under reflected light and roll out any aggregate accumulations.
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3.05 CURING

- A. Allow coating to cure a minimum of:
 - 1. Six (6) to eight (8) hours for light foot traffic at 70 degrees/50% humidity
 - 2. Twelve (12) hours for heavy use (at 70 degrees/50% humidity)
 - B. Full cure and hardness shall be achieved within approximately forty-eight (48) hours.
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3.06 CLEANING

- A. Dispose of rollers, trays, gloves, and disposable materials after application.
 - B. No cleaning of application tools is required.
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3.07 PROTECTION

- A. Protect coated surfaces from traffic and contamination during the curing period.
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3.08 SUSTAINABLE OPERATIONS

- A. Coated surfaces require no special cleaning agents beyond standard floor maintenance practices.
 - B. Improved slip resistance and surface protection extend floor life and reduce long-term material consumption.
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END OF SECTION 09 67 00
