

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.

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)

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.

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.

1.06 WARRANTY

- A. Provide manufacturer's standard warranty against defects in materials.

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

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.

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.

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.

3.06 CLEANING

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

3.07 PROTECTION

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

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.

END OF SECTION 09 67 00
