

# SparkleTuff® Anti-Slip Floor Coating

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Safety Direct America

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Looks Great – No Slips!

[www.safetydirectamerica.com](http://www.safetydirectamerica.com) | [www.sparkletuff.com](http://www.sparkletuff.com) | [www.sparkletuff.co.uk](http://www.sparkletuff.co.uk) – Europe/UK

## **PART 1 – GENERAL**

### **1.01 SUMMARY**

Provide a clear, fluid-applied anti-slip floor coating designed to improve slip resistance while maintaining the appearance of the substrate. Suitable for interior and exterior use on tile, stone, concrete, epoxy, polyaspartic, metal including blackened steel, glass, and any hard surface imaginable.

### **1.02 REFERENCES**

ASTM E303 – Pendulum Slip Resistance Test

ASTM E648 – Critical Radiant Flux

ANSI A326.3 – Dynamic COF (comparative only)

AFSA FS101 – Pendulum Method

### **1.03 SUBMITTALS**

Product Data, Safety Data Sheet (SDS), Warranty, VOC report (~21.6 g/L), ASTM E648 fire report (Class I).

### **1.04 QUALITY ASSURANCE**

Manufacturer shall have minimum 10 years experience. Installation shall follow manufacturer instructions.

## **1.05 DELIVERY, STORAGE AND HANDLING**

Deliver in original containers. Protect from contamination and moisture.

## **1.06 WARRANTY**

Provide a limited five (5) year warranty covering peeling, blistering, and retention of slip resistance.

Warranty is limited to replacement of product only. Does not include labor or incidental damage.

Exclusions include moisture intrusion, improper maintenance, chemical damage, abuse, and substrate failure.

## **1.07 SUSTAINABILITY**

Low VOC approximately 21.6 g/L. Extends service life of flooring and reduces waste.

## **PART 2 – PRODUCTS**

### **2.01 MANUFACTURER**

Safety Direct America – SparkleTuff® Anti-Slip Floor Coating

### **2.02 MATERIALS**

Two-component clear coating with aluminum oxide aggregate. UV, chemical, and abrasion resistant.

#### **Mixing Ratio**

3:1 Part A to Part B. Pre-measured kits require no measuring.

#### **Pot Life**

Approximately 75 minutes.

#### **Induction Time**

None required.

#### **Application Thickness**

Less than 1 millimeter.

#### **Coverage**

400–500 sq ft per gallon depending on surface.

Quart: 100–125 sq ft.

8 oz kit: 20–25 sq ft.

#### **Recoatibility**

May be applied over itself for repair or enhancement.

## **2.03 PERFORMANCE REQUIREMENTS**

Slip Resistance: Evaluated using ASTM E303.

Target PTV: Interior  $\geq 36$ , Exterior Wet  $\geq 45$ .

Measured – Standard Grit: Dry  $\sim 75$ , Wet:  $\sim 66$  (hard rubber),  $\sim 61$  (soft rubber)

Measured - Lite Bite Grit: Dry:  $\sim 70$ , Wet:  $\sim 65$  /  $\sim 45$

Fire: ASTM E648 Class I ( $\sim 1.12$  W/cm<sup>2</sup>).

Adhesion: No sanding required. Adheres to properly cleaned substrates.

Limitations: Performance affected by contaminants and maintenance.

## **2.04 ACCESSORIES**

Use only manufacturer-supplied rollers. Substitution may result in inferior performance.

## **PART 3 – EXECUTION**

### **3.01 EXAMINATION**

Verify substrate is clean, dry, and suitable.

### **3.02 SURFACE PREPARATION**

Clean surfaces thoroughly. No sanding or profiling required. Applies to: Tile, Concrete, Epoxy, Polyaspartic, Metal (including blackened steel), Glass, and any hard surfaces.

### **3.03 MIXING**

Mix Part A, then combine with Part B. Use manual mixing only. Do not use drill mixing.

### **3.04 APPLICATION**

Apply thin, even coat using manufacturer-approved roller. Roll in multiple directions.

### **3.05 CURING**

Light traffic: 6–8 hours. Full cure: 48 hours.

### **3.05 CLEANING AND DISPOSAL**

A. Due to the cured nature of the coating, application tools cannot be cleaned for reuse.

B. Dispose of rollers, roller covers, paint trays, mixing containers, and other application materials after use.

C. Do not attempt to clean tools with water.

D. Dispose of materials in accordance with applicable local, state, and federal regulations.

### **3.07 PROTECTION**

Protect surface during curing period.

### **3.08 FIELD QUALITY CONTROL**

Optional ASTM E303 testing in direction of travel.

### **3.09 APPLICATION GUIDANCE**

Pool decks, loading docks, and ramps require higher slip resistance (PTV  $\geq 45$  recommended).

### **3.10 SAFETY PRECAUTIONS**

- A. Follow all applicable safety guidelines during handling and application of the coating.
- B. Use appropriate personal protective equipment (PPE), including:
  - 1. Protective gloves
  - 2. Safety glasses or eye protection
- C. Avoid contact with skin and eyes.
- D. Ensure adequate ventilation during application.
- E. Refer to the Safety Data Sheet (SDS) for complete safety and handling information.



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