

# Sparcofloor 343

## Two-Component Solvent-Based Polyurethane Floor Coating

A two-component solvent-based polyurethane floor coating that retains its colour and high gloss under strong ultraviolet exposure while delivering a durable, decorative finish.

Sparcofloor 343 is a two-component solvent-based polyurethane finish based on a blended polyester polyol resin with pigments, cured with an aliphatic polyisocyanate hardener. It provides a hard-wearing, decorative floor with excellent abrasion and chemical resistance. The aliphatic chemistry ensures colour and gloss are retained even under strong UV conditions, making it suited to exterior industrial floors.

### Colour & Gloss Retention:

Aliphatic polyurethane chemistry retains colour and high gloss under strong ultraviolet exposure, ideal for exterior floors.

### Abrasion Resistance:

Increased abrasion resistance for a hard-wearing surface; ASTM D4060 (CS-17) abrasion loss of 90 mg after 1000 cycles.

### Chemical Resistance:

Resistant to a wide range of acids, alkalis, sugars and solvents commonly encountered in industrial areas.

### Decorative Finish:

Delivers an attractive coloured floor combining durability with a decorative, high-gloss appearance.

### Hygienic & Easy to Clean:

Smooth, dustproofing finish that protects the substrate and is easy to keep clean.

### FIELDS OF APPLICATION

- ▶ Exterior industrial floors
- ▶ Colour retention floors
- ▶ Gloss retention floors
- ▶ Warehouses
- ▶ Decorative industrial areas

## System Design



## Technical Profile\*

<b>COLOUR</b>	
Standard range	<b>Standard colours</b>
<b>MIXING RATIO</b>	
Part A : Part B, by weight	<b>3 : 1</b>
<b>POT LIFE</b>	
@ 25°C	<b>8 hours</b>
<b>DRY FILM THICKNESS</b>	
per coat	<b>35 microns</b>
<b>RECOAT INTERVAL</b>	
@ 25°C	<b>8 – 48 hours</b>
<b>FOOT TRAFFIC</b>	
@ 25°C	<b>8 hours</b>
<b>VEHICULAR TRAFFIC</b>	
@ 25°C	<b>48 hours</b>
<b>FULL CURE</b>	
chemical, @ 25°C	<b>7 days</b>
<b>ABRASION RESISTANCE</b>	
ASTM D4060 (CS-17)	<b>90 mg loss / 1000 cycles</b>
<b>CONSUMPTION</b>	
per coat	<b>0.10 L/m<sup>2</sup></b>
<b>SHELF LIFE</b>	
Part A / Part B, unopened	<b>12 / 6 months</b>

\* Typical properties of unmixed material at 25°C. Values may vary with site conditions, substrate and application method.

### Available in standard colours

Applied colours may differ from samples shown on screen or in print. Contact Sparco Paints for the full colour chart and physical samples.

## Model Specification

<b>System</b>	Sparcofloor 343
<b>Type</b>	Two-component solvent-based polyurethane
<b>Build-up</b>	Primer + 2 coats Sparcofloor 343
<b>Manufacturer</b>	Sparco Paint (S) Pte Ltd

*Preparatory work and application in accordance with manufacturer's instructions.*

## Surface Preparation

New concrete floors should be cured for a minimum of 28 days and dried to below a moisture content of 4%. For adequate adhesion, the concrete surface must be free of laitance. Apply one coat of primer and allow it to cure completely; efficient sealing of the concrete is essential to minimise surface defects in the finishing coat.

## Packaging

Product	Pack Size
<b>Sparcofloor 343 (Part A + B)</b>	4 L / 20 L sets
<b>PU Thinner (cleaner)</b>	As required

## Warranty

**LIMITED WARRANTY:** Sparco Paints (S) Pte Ltd warrants that, at the time and place of shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. As Sparco Paints (S) Pte Ltd has no control over the use to which others may put its products, it is recommended that products be tested to determine suitability for specific applications. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for its specific application and assume all responsibility in connection therewith.

## Application Guidelines

Parameter	Value
<b>Mixing ratio (by weight)</b>	3 : 1
<b>Pot life @ 25°C</b>	8 hours
<b>Recoat interval</b>	8 – 48 hours
<b>Foot traffic</b>	8 hours
<b>Vehicular traffic</b>	48 hours
<b>Full chemical cure</b>	7 days

### IMPORTANT

New concrete must be cured at least 28 days and dried below 4% moisture, with all laitance removed. Prime and allow the primer to cure fully before coating. Direct application is intended — do not further dilute with thinner beyond recommendation.

## Product Preparation

Add the entire contents of Part B to the Part A container and mix with an electric mixer until a homogeneous solution is obtained.

Apply directly using a fine, smooth lambswool roller; further dilution with thinner is not recommended.

## Cleaning

Clean tools and equipment with PU Thinner immediately after use.

## Storage

Minimum 12 months for Part A (base) and 6 months for Part B (hardener) in the original unopened container. Store in a cool, dry place.

## Health & Safety

Sparcofloor 343 is physiologically harmless once cured. Standard safety precautions are advised when handling — refer to the Safety Data Sheet (SDS) for full details.

## Technical Assistance

Please contact Sparco Paints (S) Pte Ltd for technical assistance, specification support and application advice.