

# SPARCOFLOOR #102

## Two-Component Solvent-Free Epoxy Roller Coating

**A high-solids, solvent-free epoxy roller coating delivering a hard-wearing, low-maintenance gloss or slip-resistant finish for concrete and cement screeds.**

SPARCOFLOOR #102 is a two-part, solvent-free high-solids coloured epoxy coating. It provides a medium hard-wearing, low-maintenance smooth gloss finish, or a slip-resistant finish when broadcast with aggregate of different grades. Supplied in ready-to-use pre-weighed packs for consistent mixing and efficient application.

### Solvent-Free High Solids:

100% solids formulation suitable for use in unventilated areas with minimal odour.

### Excellent Adhesion:

Bonds strongly to mechanically cleaned concrete and cement screed surfaces.

### Ready-to-Use Packing:

Pre-weighed parts ensure correct mixing and ease of application within the designed pot life for efficient work progress.

### Versatile Finish:

Smooth gloss finish, or slip-resistant when broadcast with different aggregate grades.

### Durable & Low Maintenance:

Medium hard-wearing surface for normal to medium-heavy wear areas.

### FIELDS OF APPLICATION

- ▶ Storage and assembly halls
- ▶ Maintenance workshops
- ▶ Garages and loading ramps
- ▶ Multi-storey and underground car parks
- ▶ Maintenance hangars
- ▶ Beverage and food industry (wet process areas)

## System Design



**Top Coat** Sparcofloor #102 × 2

**Primer** Epoxy Bonding Primer #101 × 1-2

**Substrate**

## Technical Profile\*

### SOLIDS

Part A / Part B **100% / 100%**

### COLOUR

Part A / Part B **Coloured / Clear**

### DENSITY

ASTM D4052, @ 25°C  
**1.6±0.2 / 1.00±0.05 kg/L**

### MIXING RATIO

Part A : Part B, by weight **4 : 1**

### POT LIFE

@ 30°C **Up to 30 minutes**

### BOND STRENGTH

to concrete **Concrete failure**

### COMPRESSIVE STRENGTH

**55 N/mm<sup>2</sup>**

### ADHESION STRENGTH

pre-treated substrate, min.

**1.5 N/mm<sup>2</sup>**

### FINAL CURE

@ 25°C **7 days**

### CONSUMPTION

per coat **0.3-0.5 kg/m<sup>2</sup>**

### SHELF LIFE

Part A / Part B, unopened **2 / 2 years**

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

### Available in coloured finishes

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 #102 Roller Coat System
<b>Type</b>	Two-component solvent-free high-solids epoxy
<b>Build-up</b>	Sparco Epoxy Bonding Primer #101 + 2 coats SPARCOFLOOR #102
<b>Manufacturer</b>	Sparco Paints (S) Pte Ltd

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

## System Build-Up by Substrate

Substrate	Preparation	Primer & Finish
Concrete / cement screed	Ball blast, mill or diamond grind; cure 28 days; moisture ≤ 5%	Sparco Epoxy Bonding Primer #101 (1–2 coats × 0.35–0.55 kg/m <sup>2</sup> ), then 2 coats SPARCOFLOOR #102

## Surface Preparation

Substrate must be dry, sound, clean and free from oil, grease, loose material, surface contaminants and other bond-inhibiting materials. Prepare concrete mechanically by ball blasting, milling or diamond grinding. Remove weak concrete and fully expose surface defects such as blowholes and voids; fill cracks, holes and gouges with proper patching materials. Remove all dust and loose material, preferably by vacuum cleaner. Moisture content must not exceed 5%. On new concrete, apply at least 28 days after construction.

## Packaging

Product	Pack Size
SPARCOFLOOR #102 (Part A + B)	20 kg set (Part A: 16 kg, Part B: 4 kg)
Xylene or Toluene (cleaner)	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>	4 : 1
<b>Pot life @ 30°C</b>	Up to 30 minutes
<b>Consumption per coat</b>	0.3–0.5 kg/m <sup>2</sup>
<b>Compressive strength</b>	55 N/mm <sup>2</sup>
<b>Final cure @ 25°C</b>	7 days

### IMPORTANT

Substrate must be cured at least 28 days (new concrete) with moisture content not exceeding 5% and adhesion strength of at least 1.5 N/mm<sup>2</sup>. Minimum substrate temperature 5°C; mix and cure between +10°C and +35°C. Mixed epoxy must be processed within the pot life and cures faster in hot weather.

## Product Preparation

Prior to application, store the product under cover in dry conditions and protect from temperature extremes, which may cause inconsistent workability, finish and curing times. Ideally, maintain the product at approximately 25°C for at least 24 hours before mixing.

SPARCOFLOOR #102 is supplied in two pre-weighed parts; no additions or omissions are required. Pour all of Component A into a clean mixing barrel, add all of Component B, and mix homogeneously for at least 2–3 minutes with a mechanical stirrer. Apply by roller, brush or airless spray.

## Cleaning

Remove uncured SPARCOFLOOR #102 from tools and equipment with suitable solvents such as Xylene or Toluene immediately after use. Cured material may only be removed mechanically.

## Storage

Store for a minimum of twelve months at 5°C to 35°C in unopened original packaging. Protect from direct sunlight.

## Health & Safety

SPARCOFLOOR #102 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.