



SPARCO PAINTS (S) PTE LTD

PRODUCT DATA SHEET

Primer Systems

SPARCO SB PRIME 107

Two-Component Solvent-Based Epoxy Primer

A two-part, low-viscosity, solvent-based epoxy primer for concrete and mineral surfaces, ideal for priming pavements, ramps and industrial floors.

SPARCO SB PRIME 107 is a two-part, low-viscosity, solvent-based epoxy primer that reacts with its hardener to form a long-lasting coating. It penetrates and seals prepared concrete and mineral surfaces, making it the ideal base for industrial floor systems. It offers excellent adhesion on mechanically cleaned surfaces and may be used in unventilated areas.

Deep Penetration:

Low viscosity penetrates and seals highly absorbent substrates for a sound base.

Excellent Adhesion:

Develops a strong key on mechanically cleaned surfaces.

Chemical & Impact Resistance:

Cured coating offers excellent impact and chemical resistance.

Ready to Use:

Pre-weighed two-part packing ensures correct mixing and easy application within the pot life.

Strong Bond:

Bond strength to concrete results in concrete failure rather than bond failure.

FIELDS OF APPLICATION

- ▶ Prepared concrete surfaces
- ▶ Pavements and ramps
- ▶ Walkways and loading bays
- ▶ Industrial floors
- ▶ Existing concrete
- ▶ Mineral substrates

System Design



Primer Sparco SB PRIME 107

Substrate

Technical Profile*

SOLIDS

Part A / Part B **>40% / >40%**

COLOUR

Part A / Part B **Clear / Amber brown**

DENSITY

ASTM D4052, Part A **1.02 ± 0.05 g/cm³**

DENSITY

ASTM D4052, Part B **1.00 – 1.02 g/cm³**

MIXING RATIO

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

POT LIFE

at 28°C **Up to 30 minutes**

BOND STRENGTH

to concrete **Concrete failure**

FINAL CURE

7 days

CONSUMPTION

per coat, min. 2 coats **5 – 6 m²/L**

SHELF LIFE

Part A / Part B, unopened **Up to 12 / 12 months**

* Typical properties of unmixed material at 25°C; mixed-part values at 75% relative humidity. Values may vary with site conditions, substrate and application method.



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SPARCO SB PRIME 107
Two-Component Solvent-Based Epoxy Primer

Model Specification

System	SPARCO SB PRIME 107
Type	Two-component solvent-based epoxy primer
Build-up	Prepare substrate, then 2 coats of SB PRIME 107
Manufacturer	Sparco Paints (S) Pte Ltd

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

Surface Preparation

Substrate must be dry, sound, clean and free from oil, grease, loose material and other bond-inhibiting contaminants. Prepare concrete mechanically by ball blasting, milling or diamond grinding; remove weak concrete and fully expose blowholes and voids. Fill cracks, holes and gouges with proper patching materials and vacuum away all dust. Moisture content must not exceed 5%, and new concrete must cure at least 28 days.

Packaging

Product	Pack Size
SPARCO SB PRIME 107	Part A 10 L / Part B 10 L (per set)
Solvent (cleaner)	Xylene / Toluene, 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
Mixing ratio (by weight)	1 : 1
Pot life at 28°C	Up to 30 minutes
Consumption	5 – 6 m ² /L per coat, min. 2 coats
Max. substrate moisture	5%
Final cure	7 days

IMPORTANT

Substrate moisture content must not exceed 5% and new concrete must be cured at least 28 days. Minimum substrate temperature is 5°C; mix and cure above +10°C. Minimum adhesion strength of the pre-treated substrate should be >1.5 N/mm². On pavements, minimise heavy traffic for a further 8 hours after application.

Product Preparation

Store under cover in dry conditions, protected from temperature extremes. Condition the material to approximately 25°C for at least 24 hours before mixing.

Supplied in pre-weighed parts; no additions or omissions are required. Empty Part A into a clean barrel, add Part B and mix homogeneously for 2 – 3 minutes with a mechanical stirrer. Keep mixing time consistent across batches.

Cleaning

Remove uncured SPARCO SB PRIME 107 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 30°C in unopened original packaging. Protect from direct sunlight, as excessive exposure will reduce shelf life.

Health & Safety

SPARCO SB PRIME 107 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.