



SPARCO PAINTS (S) PTE LTD

PRODUCT DATA SHEET

Primer Systems

SPARCO EPOXY BONDING PRIMER #100

Solvent-Free Epoxy Primer

A medium-viscosity, solvent-free epoxy primer that bonds to dry or damp surfaces, ideal for concrete, asphalt and metal substrates.

SPARCO EPOXY BONDING PRIMER #100 is a two-component, medium-viscosity, solvent-free epoxy primer. Supplied in ready-to-use, pre-weighed parts, it is suitable for application on dry or damp surfaces and is especially effective on highly absorbent substrates. It develops an excellent key on mechanically cleaned surfaces and may be used in unventilated areas.

Damp-Tolerant:

Bonds to dry or damp substrates, making it versatile across varied site conditions.

Solvent-Free:

Suitable for use in unventilated areas with no solvent odour.

Excellent Adhesion:

Develops a strong key on mechanically cleaned and highly absorbent substrates.

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

- ▶ New and existing concrete
- ▶ Cementitious screed
- ▶ Existing epoxy flooring
- ▶ Asphalt surfaces
- ▶ Mechanically prepared metal

System Design



Primer Epoxy Bonding Primer #100

Substrate

Technical Profile*

SOLIDS

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

COLOUR

Part A / Part B **Hazy clear / Brown**

DENSITY

ASTM D4052, Part A **1.1 g/cm³**

DENSITY

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

MIXING RATIO

Part A : Part B, by weight **2 : 1**

POT LIFE

at 30°C **Up to 30 minutes**

BOND STRENGTH

to concrete **Concrete failure**

FINAL CURE

7 days

CONSUMPTION

per coat **6 – 8 m²/kg**

SHELF LIFE

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

* 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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Model Specification

System	SPARCO EPOXY BONDING PRIMER #100
Type	Two-component solvent-free epoxy primer
Build-up	Prepare substrate, then prime with #100
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 EPOXY BONDING PRIMER #100	30 kg / 15 kg sets
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)	2 : 1
Pot life at 30°C	Up to 30 minutes
Consumption	6 – 8 m ² /kg per coat
Min. substrate temperature	5°C
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. Mixed epoxy cures faster in hot weather.

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

Cleaning

Remove uncured primer 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

SPARCO EPOXY BONDING PRIMER #100 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.