



SPARCO PAINTS (S) PTE LTD

PRODUCT DATA SHEET

Epoxy Flooring Systems

SPARCOFLOOR SL 200

Self-Smoothing, Solvent-Free Epoxy Flooring with Medium to Heavy Chemical Resistance

A solvent-free, self-smoothing two-component epoxy flooring system delivering high chemical resistance and exceptional mechanical strength in a seamless finish.

SPARCOFLOOR SL 200 is a solvent-free, two-component epoxy flooring system that self-smooths during application. It delivers high chemical resistance alongside exceptional mechanical strength, producing a durable, seamless floor suited to demanding industrial and clean-room environments.

Self-Smoothing & Seamless:

Self-levels during application for a durable, seamless finish.

Chemical Resistance:

Medium to heavy chemical resistance for demanding process areas.

High Mechanical Strength:

Excellent impact resistance with compressive strength up to 50 N/mm².

Excellent Adhesion:

Bonds strongly to mechanically cleaned surfaces.

Abrasion Resistant:

Good resistance to mechanical loading and abrasion; Shore D hardness up to 70.

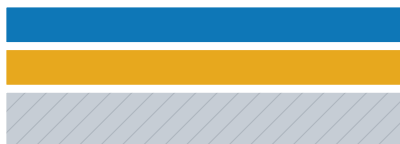
Easy to Apply:

Solvent-free formulation applied by squeegee and roller.

FIELDS OF APPLICATION

- ▶ Pharmaceutical facilities and clean rooms
- ▶ Warehouses and storage areas
- ▶ Loading bays
- ▶ Assembly halls
- ▶ Plant rooms
- ▶ Production areas
- ▶ Garages
- ▶ Maintenance workshops

System Design



Self-Levelling Sparcofloor SL 200

Primer

Substrate

Technical Profile*

SOLIDS

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

COLOUR

Part A / Part B
Pigmented / Amber liquid

DENSITY

ASTM D4052, @ 25°C
1.50±0.05 / 0.95±0.05 g/cm³

MIXING RATIO

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

POT LIFE

@ 28°C **Up to 20 minutes**

TENSILE STRENGTH

ASTM D638:03, to concrete
Up to 18 N/mm²

ABRASION RESISTANCE

ASTM D4060:01 (CS10/1000 cycles)
Up to 45 mg loss

SHORE D HARDNESS

cured 7 days @ 25°C **Up to 70**

COMPRESSIVE STRENGTH

ASTM C695:02A **Up to 50 N/mm²**

CONSUMPTION

self-smoothing, subject to filling
1.6–2.0 kg/m²

SHELF LIFE

Part A / Part B, unopened
12 / 12 months

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



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Model Specification

System	SPARCOFLOOR SL 200 Self-Smoothing System
Type	Two-component solvent-free self-smoothing epoxy
Build-up	Self-smoothing wearing layer, applied by squeegee and roller
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, 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 SL 200 (Part A + B)	20 kg set (Part A: 16 kg, Part B: 4.0 kg)
Xylene or Toluene (cleaner)	As required

Health & Safety

SPARCOFLOOR SL 200 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.

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)	4 : 1
Pot life @ 28°C	Up to 20 minutes
Consumption (self-smoothing)	1.6–2.0 kg/m ²
Recoat @ +30°C	16 hours – 1 day
Foot traffic @ +30°C	18 hours
Full cure @ +30°C	5 days (7 days @ +20°C)

IMPORTANT

Substrate must be cured at least 28 days (new concrete) with moisture content not exceeding 5% and adhesion strength greater than 1.5 N/mm². Minimum substrate temperature 5°C; mix and cure between +10°C and +35°C. Applying in excess of the stated pot life is not permitted; mixed epoxy cures faster in hot weather. Minimise heavy traffic on pavements for a further 72 hours after application.

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 SL 200 is supplied in 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. Keep the mixing time consistent across all batches. Apply with squeegee and roller; use a steel trowel, notched rake or roller for a self-smoothing finish.

Cleaning

Remove uncured SPARCOFLOOR SL 200 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 up to twelve months at 5°C to 25°C in unopened original packaging. Protect from direct sunlight.