

Sparcofloor PU41

Two-Component Solvent-Based Aliphatic Polyurethane Coating

A two-component solvent-based aliphatic polyurethane coating offering excellent, non-yellowing abrasion resistance with outstanding weathering and durability for interior and exterior use.

Sparcofloor PU41 is a two-component solvent-based aliphatic polyurethane coating with excellent abrasion resistance and non-yellowing performance. It exhibits outstanding weathering and durability, with strong adhesion to concrete, metal and other mechanically prepared surfaces. Low dirt pick-up, good wet hiding and a long-lasting finish make it a versatile topcoat for hard surfaces.

Abrasion Resistance:

Excellent abrasion resistance with low dirt pick-up and dustproofing of concrete.

Balanced Hardness:

Well-balanced hardness and high abrasion resistance combined with a fast-drying characteristic.

Water Repellence:

Good water-repellent coating within a high abrasion resistance system.

Non-Yellowing:

Non-yellowing aliphatic finish suited to both interior and exterior application.

Easy to Clean:

Reduces staining and provides an easy-to-clean surface with good wet hiding.

FIELDS OF APPLICATION

- ▶ UV-resistant coating for concrete
- ▶ UV-resistant coating for metal
- ▶ Topcoat for stone and limestone
- ▶ Hygienic wall coatings
- ▶ Hygienic floor coatings
- ▶ Non-yellowing topcoat finishes

System Design



Top Coat Sparcofloor PU41 × 2

Primer

Substrate

Technical Profile*

COLOUR

Part A / Part B

Clear gloss, satin, matt / clear

SOLIDS

Part A / Part B

45% ± 5% / 50% ± 3%

DENSITY

mixed A+B @ 25°C

1.01 ± 0.05 g/cm³

MIXING RATIO

Part A : Part B, by volume

4 : 1

POT LIFE

@ 25°C

≈ 2 hours

SURFACE DRY

@ 25°C

6 hours

PENCIL HARDNESS

mixed

> H

GLOSS

measured at 60°

85

MIN. SUBSTRATE TEMP.

application

5°C

ADHESION STRENGTH

pre-treated substrate, min.

1.5 N/mm²

SHELF LIFE

Part A / Part B, unopened

12 / 6 – 12 months

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

Available in clear gloss, satin and matt

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



SPARCO PAINTS (S) PTE LTD

SPARCOFLOOR PU41

Two-Component Solvent-Based Aliphatic Polyurethane Coating

Model Specification

System	Sparcofloor PU41
Type	Two-component solvent-based aliphatic polyurethane
Build-up	Minimum 2 coats Sparcofloor PU41
Manufacturer	Sparco Paint (S) Pte Ltd

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

Surface Preparation

New concrete or cementitious substrates should be at least 28 days old with a moisture content below 5%. All laitance and loose material must be removed; cracked or heavily laitanced concrete should be grit blasted, scabbed or mechanically ground until a solid surface with exposed aggregate is reached. On existing concrete, remove all laitance, loose particles, dust and contaminants to expose a clean, sound substrate, followed by industrial vacuuming. The substrate is sufficiently dry only when surface relative humidity falls to 75% or less (hygrometer to BS 8201:1987 Appendix A).

Packaging

Product	Pack Size
Sparcofloor PU41 Base (Part A)	Supplied pre-weighed
Sparcofloor PU41 Hardener (Part B)	Supplied pre-weighed

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 volume)	4 : 1
Pot life @ 25°C	≈ 2 hours
Surface dry	6 hours
Min. mixing temperature	10°C
Min. curing temperature	5°C
Recommended coats	Minimum 2 coats

IMPORTANT

Substrate must be at least 28 days old with moisture below 5% and adhesion strength of at least 1.5 N/mm². Do not mix below 10°C or cure below 5°C. Process mixed material within the pot life, as curing accelerates in hot weather.

Product Preparation

Condition the product under cover in dry conditions, ideally maintained at approximately 25°C for at least 24 hours before mixing.

Stir each part separately, then pour Part B into Part A and mix with a slow-speed drill and paddle for 1 to 2 minutes, scraping sides and bottom, until a uniform colour and consistency is achieved.

Cleaning

Clean tools and equipment with PU thinner immediately after use.

Storage

Up to 12 months for Part A and 6 – 12 months for Part B in the original unopened container. Store under cover in cool, dry conditions, protected from temperature extremes.

Health & Safety

Sparcofloor PU41 is physiologically harmless once cured. Keep resin and hardener away from eyes, mouth and skin, and avoid breathing the vapours; wear protective gloves 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.