

# Sparcothane 910

## Two-Component Water-Based Aliphatic PUD Coating

A low-VOC, low-odour two-component water-based polyurethane dispersion coating combining excellent abrasion resistance, durability and a non-yellowing finish.

Sparcothane 910 is a two-component water-based PUD (polyurethane dispersion) system with excellent abrasion resistance, durability and non-yellowing performance. Crosslinked with a solvent-free hardener, it develops excellent adhesion to concrete, metal and other mechanically prepared surfaces. Its low VOC and low odour make it well suited to occupied and environmentally sensitive interiors, while retaining low dirt pick-up and a long-lasting finish.

### Environmentally Friendly:

Low volatile organic content (VOC) and low odour, supplied ready to use for ease of application.

### 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, hygienic surface.

## FIELDS OF APPLICATION

- ▶ UV-resistant coating for concrete
- ▶ Topcoat for stone and limestone
- ▶ Hygienic wall coatings
- ▶ Hygienic floor coatings
- ▶ Low-odour occupied interiors
- ▶ Non-yellowing topcoat finishes

## System Design



## Technical Profile\*

### COLOUR

Part A / Part B

Clear gloss, satin, matt / clear

### SOLIDS

Part A / Part B **30 – 35% / > 95%**

### DENSITY

mixed A+B @ 25°C

**1.01 ± 0.05 g/cm<sup>3</sup>**

### MIXING RATIO

Part A : Part B, by weight **9 : 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/mm<sup>2</sup>**

### 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.

## Model Specification

<b>System</b>	Sparcothane 910
<b>Type</b>	Two-component water-based aliphatic PUD
<b>Build-up</b>	Minimum 2 coats Sparcothane 910
<b>Manufacturer</b>	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
<b>Sparcothane 910 Base (Part A)</b>	18 kg plastic pail
<b>Sparcothane 910 Hardener (Part B)</b>	2 kg plastic pail

## 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>	9 : 1
<b>Pot life @ 25°C</b>	≈ 2 hours
<b>Surface dry</b>	6 hours
<b>Min. mixing temperature</b>	10°C
<b>Min. curing temperature</b>	5°C
<b>Recommended coats</b>	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/mm<sup>2</sup>. Do not mix below 10°C or cure below 5°C. Keep the floor dew point within 3°C of atmospheric temperature to avoid roller marks and colour variation.

## 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. Apply evenly with a short-bristled brush or roller at approximately 100 microns WFT, avoiding over-application and puddles.

## Cleaning

Clean tools and equipment with water immediately after use, before the coating cures.

## 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.

## Health & Safety

Sparcothane 910 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.