



SPARCO PAINTS (S) PTE LTD

## PRODUCT DATA SHEET

Automotive Refinish

# 2K Polyurethane Acrylic Clear Lacquer

## Two-Component Quick-Curing Polyurethane Acrylic Clear Lacquer

**A high-gloss, quick-curing two-component polyurethane acrylic clearcoat for automobiles and commercial vehicles, with excellent gloss, colour retention and durability.**

2K Polyurethane Acrylic Clear Lacquer is a quick-curing two-component topcoat based on a special acrylic resin cured with a polyisocyanate hardener. Sprayed over compatible basecoats, it produces an excellent high-gloss clear film with strong resistance to weathering, chemicals and abrasion.

### Excellent Gloss:

Delivers an excellent high-gloss finish with very good gloss retention over time.

### Colour Retention:

Very good colour retention preserves the appearance of the underlying basecoat.

### Chemical Resistance:

Very good resistance to solvents and chemicals.

### Weather Resistance:

Very good weather resistance for exterior exposure.

### Mar & Abrasion Resistance:

Very good resistance to marring and abrasion.

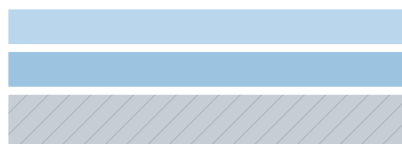
### Adhesion:

Excellent adhesion over recommended polyurethane basecoats.

### FIELDS OF APPLICATION

- ▶ Automotive refinishing
- ▶ Commercial vehicles
- ▶ Spot & panel repairs
- ▶ Full resprays

## System Design



**Clearcoat** 2K PU Acrylic Clear × 2

**Basecoat**

**Panel / Substrate**

## Technical Profile\*

### TYPE

Acrylic / polyisocyanate

**Two-component PU**

### COLOUR

**Clear**

### FINISH

**Gloss**

### SPECIFIC GRAVITY

**1.00**

### FLASH POINT

**23°C**

### MIXING RATIO

Base : Hardener, by volume

**4 : 1**

### THINNING RATIO

by volume

**20 – 25%**

### INDUCTION PERIOD

@ 30°C, intermittent stirring

**15 minutes**

### POT LIFE

@ 30°C

**4 hours**

### DRY FILM THICKNESS

per coat

**30 microns**

### SPREADING RATE

per coat

**6 – 8 m<sup>2</sup>/litre**

### OVERCOATING INTERVAL

minimum, @ 30°C

**16 hours**

\* Typical properties of unmixed material. Values may vary with conditions, substrate and application method.

### Clear gloss finish

Final appearance depends on the underlying basecoat and application technique. Contact Sparco Paints for compatibility guidance.



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## 2K POLYURETHANE ACRYLIC CLEAR LACQUER

Two-Component Quick-Curing Polyurethane Acrylic Clear Lacquer

### Model Specification

|                     |                                          |
|---------------------|------------------------------------------|
| <b>System</b>       | 2K Polyurethane Acrylic Clear Lacquer    |
| <b>Type</b>         | Two-component polyurethane acrylic clear |
| <b>Build-up</b>     | Basecoat + 2K clear lacquer              |
| <b>Manufacturer</b> | Sparco Paints (S) Pte Ltd                |

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

### Surface Preparation

Apply over a clean, dry and fully prepared basecoat. The recommended undercoat is Sparco Polyurethane Basecoat Metallic or Sparco Polyurethane Paint S41. Ensure the basecoat is free of dust, grease and contamination before clearcoating.

### Packaging

| Product                                       | Pack Size      |
|-----------------------------------------------|----------------|
| <b>2K Clear Lacquer (Base + Hardener)</b>     | 1.25 litre set |
| <b>Sparco 2K Thinner or Sparco PU Thinner</b> | 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                   |
|-----------------------------------|-------------------------|
| <b>Mixing ratio (by volume)</b>   | Base : Hardener = 4 : 1 |
| <b>Thinning ratio (by volume)</b> | 20 – 25%                |
| <b>Induction period @ 30°C</b>    | 15 minutes              |
| <b>Pot life @ 30°C</b>            | 4 hours                 |
| <b>Touch dry @ 30°C</b>           | 10 – 15 minutes         |
| <b>Hard dry @ 30°C</b>            | 16 hours                |

#### IMPORTANT

Observe the 15-minute induction period with intermittent stirring before spraying. Mixed material must be used within the 4-hour pot life at 30°C. Do not thin beyond the recommended 20 – 25% by volume.

### Product Preparation

Mix Base and Hardener at 4 : 1 by volume, then allow a 15-minute induction period with intermittent stirring at 30°C.

Thin 20 – 25% by volume with Sparco 2K Thinner or Sparco PU Thinner and apply by spray.

### Cleaning

Clean spray equipment and tools immediately after use with Sparco 2K Thinner or Sparco PU Thinner.

### Storage

Store in a cool, dry, well-ventilated area away from heat and direct sunlight, in tightly closed original containers.

### Health & Safety

2K Polyurethane Acrylic Clear Lacquer 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.