

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.

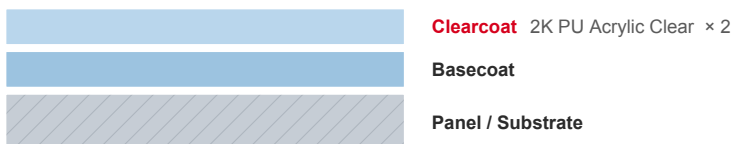
Adhesion:

Excellent adhesion over recommended polyurethane basecoats.

FIELDS OF APPLICATION

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

System Design



Technical Profile*

TYPE	Acrylic / polyisocyanate
	Two-component PU
COLOUR	Clear
FINISH	Gloss
SPECIFIC GRAVITY	1.00
FLASH POINT	23°C
MIXING RATIO	4 : 1
Base : Hardener, by volume	
THINNING RATIO	20 – 25%
by volume	
INDUCTION PERIOD	15 minutes
@ 30°C, intermittent stirring	
POT LIFE	4 hours
@ 30°C	
DRY FILM THICKNESS	30 microns
per coat	
SPREADING RATE	6 – 8 m²/litre
per coat	
OVERCOATING INTERVAL	16 hours
minimum, @ 30°C	

* 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.



Model Specification

System	2K Polyurethane Acrylic Clear Lacquer
Type	Two-component polyurethane acrylic clear
Build-up	Basecoat + 2K clear lacquer
Manufacturer	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
2K Clear Lacquer (Base + Hardener)	1.25 litre set
Sparco 2K Thinner or Sparco PU Thinner	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 volume)	Base : Hardener = 4 : 1
Thinning ratio (by volume)	20 – 25%
Induction period @ 30°C	15 minutes
Pot life @ 30°C	4 hours
Touch dry @ 30°C	10 – 15 minutes
Hard dry @ 30°C	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.