



KAPCI
COATINGS

Technical Data Sheet

Issue date January 2025

for professional use only

Kapci 3100 Satin 2K MS Clearcoat

Product description

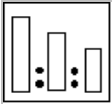
Kapci 3100 Satin is a 2K acrylic clearcoat designed for repairs of surfaces requiring satin finish. It offers flexible finish which level of gloss may be adjusted by mixing with standard clearcoats such as Kapci 3100, Kapci 3001 or Kapci 888. Kapci 3100 Satin is used in conjunction with Kapci hardeners 653 Extra Fast, 652 Fast, 651 Normal, or 656 Slow.

Substrates

Kapci 3100 Satin clearcoat should be applied over Kapcibase and Laticobase solvent-based basecoat colors or properly prepared old paint work in sound conditions.

Existing job should be properly sanded and degreased prior to applying Kapci 3100 Matt clearcoat.

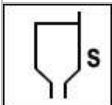
Application



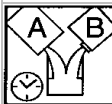
Mixing ratio by volume:

(2:1:0.6)

Kapci 3100 satin MS Clearcoat	Kapci MS Hardeners	Kapci 2K Thinners:
100%	50%	30%
	653 Extra Fast, 652 Fast 651 Normal 656 Slow	600F Fast, 600 Normal, 601 Slow 602 Extra Slow



Application viscosity:
15-18 s (DIN4/20°C)



Pot life:
4 h at 20°C



Spray gun tips:

	Spray Nozzle	Inlet pressure	Atomization pressure
Compliant	1.2-1.3mm	2 bars (26- 29 psi)	
HVLP	1.2-1.3mm	2 bars (26- 29 psi)	0.7bar (8-10 psi)
Conventional	1.2-1.3mm	3-3.5 bar (45-50 psi)	

For best overall results, refer to the spray gun manufacturer's recommendation

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	Number of coats: Apply 2 normal coats. Total dry film thickness 50-60 microns.
	Flash off time: 5-10 min/20°C between coats (until matt) 20 min/20°C before baking (until matt)
	Drying time: 15 h/20°C 30 min/60°C
	IR drying: Short wave*: 10-15 min *Guideline for IR equipment. Refer to the IR equipment manufacturer's instruction for sets-up

General notes

Choice of hardener

Choice of hardener and thinner	Size of repair and temperature				
	Spot and partial repair		Whole car repair		
Temperature	Up to 20°C	Up to 25°C	Up to 30°C	More than 30°C	
Hardener	653	652	651	656	
Thinner	600F	600/600F	600	601 more than 30	602 more than 35

Mixing with other clearcoats

Kapci 3100 Satin clearcoat has a gloss 18-21 GU at $\angle 85^\circ$, and it can be mixed with high gloss clearcoats Kapci 3100, Kapci 888 or Kapci 3001 in order to get a desired gloss level.

The recommendations below are for guidance only:

Gloss	Kapci 3100 Satin	Kapci 3100/3001/888
Satin	100	0
Semi-Gloss	50	50
High Gloss	0	100

After mixing, add hardener and thinner in the normal manner following the mixing ratio 100:50:30.

Other tips

1. Kapci 3100 Satin clearcoat cannot be polished as the polishing process will gloss the clear.
2. For optimum application, ensure that both spray booth temperature and paint temperature is between 20°C and 25°C.
3. Clean the spray gun thoroughly immediately after use of 2K products.

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VOC (2004/42/EC)
2004/42/II B(e) (840)560

The EU limit value for this product (product category: II B.e) in ready for use form is maximum 840 g/l of VOC.

The VOC content of this product in ready for use form is maximum 560 g/l.

Health and Safety

1. For full Health and Safety information refer to Material Safety Data Sheet (MSDS).
2. Observe the precautionary notices displayed on the container.
3. Goggles and suitable protective equipment must be worn while using these products.
4. Good ventilation must be provided in the working environment.