



KAPCI
COATINGS

For professional use only

Issue: May 2015
Superseded: March 2015

Kapci 3100 Matt 2K Acrylic Clearcoat

Product description

Kapci 3100 Matt is 2K acrylic clearcoat designed for repairs of surfaces requiring matt final finish of gloss 18-21 GU at an angle of 85 degree. The level of gloss may be adjusted by mixing with standard clearcoats such as Kapci 3100, Kapci 3001 or Kapci 888.

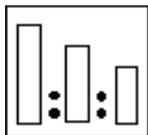
Kapci 3100 Matt offers very flexible and matt finish. It is used in conjunction with Kapci hardeners 653 Extra Fast, 652 Fast, 651 Normal, or 656 Slow.

Substrates

Kapci 3100 Matt should be applied over 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.

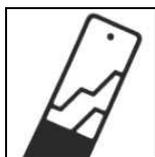
Application



Mixing ratio:
100:50:30
(2:1+30%)

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

Note: Select appropriate thinner and hardener according to ambient temperature, air movement, and size of the surface to be clearcoated.



Use mixing ruler

These products are for the professional painting of automotive vehicles only after reference to the manufacturer's Material Safety Data Sheets (MSDS)



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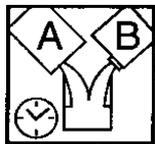
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Application viscosity:
15-18 s (DIN4/20°C)



Pot life:
4 h at 20°C



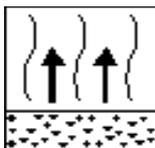
Spraygun tips:
1.3-1.4 mm
Conventional:
3.0-3.5 bar/45-50 psi inlet
HVLP: 2 bar/30 psi inlet

Refer to the spraygun manufacturer's recommendation.

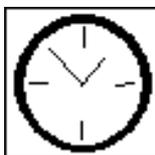


Number of coats:
Apply 2 normal coats.

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



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General notes

Choice of hardener

Kapci offers a range of hardeners to meet every type and size of car refinish under all conditions.

The recommendations below are for guidance only:

Kapci 653 Extra Fast hardener is recommended for temperatures below 20°C and for small size of repair.

Kapci 652 Fast hardener is used for medium sized repair and for temperatures up to 25°C.

Kapci 651 Normal hardener is suitable for large areas, i.e. for all repairs at temperatures up to 30°C.

Kapci 656 Slow hardener should be used when the temperature exceeds 30°C.

Use of accelerator Kapci 6510

Kapci 6510 is an additive for acceleration of drying time and may be added in the mixture of the clearcoat and hardener at a level of 4-9 mass % prior to addition of the thinner.

NOTE: The addition of Kapci 6510 will reduce pot life to 2-3 hours.

Mixing with other clearcoats

Kapci 3100 Matt can be mixed with high gloss clearcoats Kapci 3100, Kapci 888 or Kapci 3001 to get a desired gloss level.

The recommendations below are for guidance only:

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

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



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Other tips

1. Kapci 3100 Matt 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 spraygun thoroughly immediately after use of 2K products.

VOC (2004/42/EC)

2004/42/IIB(e)(840)560

The EU limit value for this product (product category: IIB.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.

IMPORTANT NOTE: These products are for professional use only. The information in this Technical Data Sheet is based on our best knowledge and given for information purposes only without any obligation as we do not have control over the quality and conditions of the surface, or over many factors affecting the use and application of the product. Always read the Material Safety Data Sheet and the Technical Data Sheet for this product if available.