



KAPCI
COATINGS

Technical Data Sheet

Issue date January 2025

for professional use only

Kapci 6050 2K UHS Anti-Scratch Clearcoat - VOC Compliant

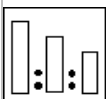
Product description

Kapci 6050 is a 2K ultra high solids acrylic clearcoat resistant to scratches. It delivers high gloss and durable finish which is resistant to abrasion and loss of gloss in modern car washes as well as in regular driving conditions.

Substrates

Kapci 6050 should be applied over Kapci Dima 9670 waterborne basecoats, Kapcibase 670/640 solvent-based basecoat, and properly prepared original paint work in solid conditions.

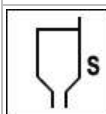
Application



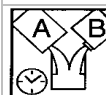
Mixing ratio:

Kapci 6050 UHS Clearcoat	Kapci HS Hardeners	Kapci 2K Thinners:
100%	50%	5-10%
	6051 Extra Fast 6054 Fast 6055 Normal 6056 Slow	600F Fast, 600 Normal, 601 Slow 602 Extra Slow

2:1:0.1-0.2



Application viscosity:
19-21 s (DIN4/20°C)



Pot life:
2 h at 20°C



Spray gun tips:

	Spray Nozzle	Inlet pressure	Atomization pressure
Compliant	1.3-1.4mm	2 bars (26- 29 psi)	
HVLP	1.3-1.4mm	2 bars (26- 29 psi)	0.7bar (8-10 psi)
Conventional	1.3-1.4mm	3-3.5 bar (45-50 psi)	

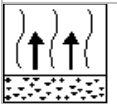
For best overall results, refer to the spray gun manufacturer's recommendation.



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Number of coats:
Apply 1 light and 1 normal coat.
Total dry film thickness 60-70 microns



Flash off time:
3-5 min/20°C between coats
15-20 min/20°C before baking



Drying time:

Hardener	20°C	60°C
6056 Slow	10-12	35
6055 Normal	8-10h	30min
6054 Fast	6-8 h	25min
6051 Extra Fast	4-6h	20min



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 hardeners and thinners

- Kapci offers a range of HS hardeners and thinners to adjust the viscosity of Kapci 2K products under all temperature conditions and different size of repairs.
- The recommendations below are for guidance only:

Choice of hardener and thinner	Size of repair and temperature			
	Spot and partial repair		Whole car repair	
Temperature	Up to 25°C	25-30°C	More than 30°C	
Hardener	6051/6054	6055	6056	
Thinner	600F	600	601 more than 30	602 more than 35

Rectification and polishing

Kapci 6050 does not require polishing as it offers very good gloss. In case that some dirt has occurred, denib with P2000 or finer and polish by machine using Kapci K40 Polish Compound. Polishing is easiest up to 20 h after the drying time.

Other tips

1. For optimum application, ensure that both spray booth temperature and paint temperature are between 20°C and 25°C. This is particularly important for high solid systems.
2. To reach optimum performances of high solids clearcoats, baking is highly recommended.
3. Clean the spray gun thoroughly immediately after use of 2K products.

IMPORTANT NOTE: These TDS are for information purposes only without any obligation as we do not have control over the quality and conditions of the surface or application.



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VOC (2004/42/EC)
2004/42/II B(d) (420)418

The EU limit value for this product (product category: II B.d) in ready for use form is maximum 420 g/liter of VOC.

The VOC content of this product in ready for use form is maximum 418 g/liter.

Health and Safety

1. For full Health and Safety information please 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.