

TECHNICAL DATA SHEET

(Professional Use Only)

NUMIX 2K CLEAR COAT MS 700

PRODUCT DESCRIPTION

Numix Clear Coat is a two-component top Coat with excellent gloss and color retention. Product noted for very good resistance Against U.V. ray. Stand out from your Composition with an outstanding finish. Suitable for all temperatures and Environment.

FEATURES

01. Chemical and weather resistance.
02. Excellent polishability.
03. Can be cured by air-dry or force dry.
04. Mirror effect with good ODI appearance
05. Low consumption and high spreading rate.
06. Provide maximum performance.
07. Fast Drying

SUITABLE SUBSTRATES:

As a finishing coat for car refinish for protection over the Numix base coat. Where gloss and color retention are required.

SURFACE PREPARATION:

The surface should be clean and dry at the time of application and its temperature must be above the dew point to avoid condensation. After basecoat fully cured, use tack cloth to Remove any dust particles.

Technical Tips:

	It is strongly recommended to use appropriate personal protection equipment during application to avoid respiratory, skin and eye irritation.
	Use Numix Cleaner to remove grease, oil and other contaminants. Use clean quality tack rags or wiping towels, one for wetting and one for drying
	Stirred the colors properly before use.
	Product Mixing: The choice of Hardener and Thinner should be made according to application temperature and size of repair. For Mixing use Numix scale.
	Always Use filter paper to avoid the risk of dust particles.
	Clean the gun properly after usage. (with National lacquer thinner)

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Color	Clear
Finish	Glossy (96 – 98 @ 60°).
Viscosity (20°C)	8 -10 Poise.
Specific Gravity	1.02 ± 0.05
Solid by Weight %	50 ± 1 %
Theoretical Spreading Rate	14.0 m ² /Liter
Flash Point	25° C when mixed
Impact	50 cm forward / 50 cm backward
Scratch	Pass
Flexibility	7.5 – 10 mm
Volatile organic compound (VOC)	448 g/L

PRODUCT PREPARATION:

	Mixing ratio	Numix Clear 700 Numix Hardener 700 Numix 2K Thinner		Mix By Volume			
				2 1 10-15%			
	Pot life at 25°C	5Hrs					
	Spray viscosity at 25°C	DIN 4		26-30s			
		FORD 4		26-30s			
		AFNOR 4		28-32s			
	Spray equipment	Type of Gun	Nozzle Size		Distance	Pressure	
		Gravity Feed	1.4-1.5		15-20	3-4 bar	
		Suction feed	1.4-1.5		15-20	3-4 bar	
		HVLP	1.3-1.4		15-20	2 bar	
	Number of coats	2 Coats					
	Flash time	5-10 min between coats or wet-in-wet 15min before bake.					
	DFT	30-35 microns ≈ 1.4 mils. Depends No. of coats					
	Drying time 25°C	Dry Dust free	Dry to Handel		Dry to Polish	Recoating Interval	
		25 min.	3-4 hrs.		12 hrs.	24 hrs	
	IR Drying	Distance	Half Power	Full Power	*Guideline form short / Medium wave IR equipment		
		80 cm.	5 min	15-20 min			

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ADDITIONAL DATA:

Polishing: Dust and minor imperfections can be polished out after the indicated air-dry times, or after 2 hours cool down time following the full bake at 60°C object temperature. Carefully sand out dust particles and restore the surface according polishing recommendations. Carefully de-nib using P1500 or finer with soap and water; blow air & dry the sanded area .Machine sanding with P3000 is recommended to avoid sanding marks & minimize orange peel effect (use of soft interface pad is recommended at speed 1500 rpm) Compound using Fast cut compounding paste with a wool compounding pad and an air or electric buffer at 1400 to 2000 rpm. Polish using standard fine polishing paste with a foam polishing pad and an air or electric buffer at 1400 to 2000 rpm (reduce pressure as polish begins to dry and buff to a high gloss). Remove any remaining residue using Detailing Cloth.

Notes: *Recommended for better results (especially if the polishing process is being carried out after 48 hours). Polishing preferably needs to be carried out within 48 hours as longer waiting time will results in increased hardness of the paint film thereby making polishing harder as well. Polishing can be done mechanically (preferable) or manually. Clear is a hard & scratch resistant clear coat and so to get excellent results especially for gloss restoration, polishing needs to be done as per the recommended procedure especially if it done after longer curing time after application of the clear coat.

MISCELLANEOUS DATA

STORAGE: The product must be stored according to National Regulations. The product should be kept in cool and well ventilated place, protected from heat and direct sunlight at temp 5-35°C. Containers must be kept tightly closed.

SAFETY / HEALTH Ensure good ventilation during application and drying. Avoid contact with skin and eyes. While painting it is advisable to wear eye protector. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. To remove splashes from skin; use soap and water or a recognized skin cleaner. Keep out of reach of children.

NOTE: We warranty the quality of our product and this data sheet represents test results and practical experience obtained under controlled conditions. We reserve the right to change data without prior notice.