

Technical Data Sheet

Product Name	
Full Product Name	2K Satin Black
Type of Product	2K Satin acrylic urethane Black
Description	Concept 2K Satin Black is a high performance 2K Satin Black coat, designed specifically to achieve a Satin finish, replicating the latest OEM Satin offering. It is characterized by excellent flow, high chemical resistance and hardness properties.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Satin Black	49.9	47.86	1.010	8.43	527.5	4.40
MS Uni Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
MS Uni Hardener Normal	33.3	39.9	0.986	8.23	593.1	4.95
MS Uni Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
MS Uni Hardener Super Fast	31.5	38.9	0.938	7.83	572.7	4.78
2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
2K Thinner	0.0	0.0	0.882	7.36	881.9	7.36
2K Thinner Fast	0.0	0.0	0.872	7.27	871.5	7.27

Properties
• High performance
• Fast drying
• Excellent through cure
• Excellent levelling and flow
• Even Satin gloss effect

Substrates

- Concept 2K HS Primer
- Concept HS 2K Europrima (4:1), Concept Unicolour fully cured
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels

Substrate Preparation






All Substrates

All surfaces must be cleaned with Concept Wax & Grease Remover and free from any contamination prior to application.

Product Preparation



		Concept 2K Satin Black	Concept MS Uni Hardener	Concept MS-22 Hardener
Mixing Ratio 2:1 (by volume)	Large areas	2 parts	-	1 part
	Small areas	2 parts	1 part	-
	Reducer	Up to 10% (v/v) of Concept 2K Thinner, if required.		
Pot life @ 25°C (77°F)	2-3 hours			
Spray viscosity @ 25°C (77°F)	BSB 4 Cup	18-19 s		
	Ford 4 Cup	16-17 s		

Product Preparation cont

Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance
  	Gravity feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	Suction feed	1.3-1.4 mm 0.051-0.055"	200-240 kPa 2.0-2.4 bar 30-35 psi	15-20 cm 6-8 inch
	HVLP	1.2-1.3 mm 0.047-0.051"	40-70 kPa 0.4-0.7 bar 6-10 psi	15-20 cm 6-8 inch
	Number of coats	2-3	Apply one coat followed by one or two even full coats. Avoid heavy wet coats.	
DFT Recommended	40-50 µm 1.6-2.0 mils			
Flash off time @ 25°C (77°F)	5-10 min between coats			
Drying	Air Dry @ 25°C (77°F)	16-24 hours		
	Low Bake @ 50°C (122°F)	30-40 min		

This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.

Remarks

	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
	Surface temperature must always be a minimum of 3°C (5°F) above dew point.
NOTE:	Always ensure adequate and thorough flash off of the basecoat before application of this clear coat (otherwise damage to the appearance may occur).

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

Gloss@ 60°	44 - 56 GU (Gloss Units)
Hardness	Excellent
Chemical resistance	Excellent
Durability	Excellent

Product Data

Colour	Black (Satin Gloss)
Theoretical Coverage	Approx. 9.0 m ² /L (325 ft ² /US gal) @ recommended DF
Shelf Life	36 months in an unopened container at room temperature, away from sunlight.

Product Packaging

Product Code	Product Name	Package Size
AU4107002000X	2K Satin Black	1L, 4L
AU2139200000X	MS Uni Hardener Normal	500 mL, 1L
AU2139300000X	MS Uni Hardener Fast	500 mL, 1L
AU7229200000X	MS-22 Hardener	500mL, 2.5L
AU8319200000X	2K Thinner	1L, 4L, 20L

Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

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This Technical Data Sheet supersedes all previous issues.

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