

Technical Data Sheet

Product Name	
Full Product Name	2K Matt Black
Type of Product	2K acrylic urethane topcoat
Description	Concept 2K Matt Black is a high performance 2K black topcoat formulated to achieve a matt (5% gloss level) black finish. It is characterized by its excellent coverage, flow, chemical resistance and durability.

Products						
Product Name	Volume Solids %	Weight Solids %	Density		VOC	
			g/mL	lbs/US gal	g/L	lbs/US gal
2K Matt Black	40.7	49.6	1.030	8.60	519.5	4.34
Universal (MS) Slow Hardener	35.4	40.9	1.004	8.38	593.8	4.96
Universal (MS) Normal Hardener	33.3	39.9	0.986	8.23	593.1	4.95
Universal (MS) Fast Hardener	33.6	40.2	0.968	8.08	578.3	4.83
Universal (MS) Super Fast Hardener	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
<ul style="list-style-type: none"> • High performance and opacity • Fast drying • Excellent through cure • Excellent levelling and flow • Matt finish (5% gloss level)

Substrates

- Concept HS 2K Primer
- Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels.

Substrate Preparation



All Substrates

All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.

Product Preparation




	Mixing Ratio 2:1 (by volume)	Concept 2K Matt Black		Concept Universal (MS) Hardener	
		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	16-17 s		
		Ford 4 Cup	14-15 s		
	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.		

Date: 21st October 2016



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	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.

Equipment Cleaning

Use recommended Concept Paints cleaner

Dry Film Properties

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

Gloss 60°	4-6 GU (Gloss Units)
Chemical resistance	Excellent
Durability	Excellent

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Product Data

Colour	Matt Black
Theoretical Coverage	Approx. 9.0 m ² /L (365 ft ² /US gal) @ recommended DFT
Shelf Life	36 months in an unopened container at room temperature, away from sunlight.

Product Packaging

Product Code 1	Product Code 2	Product Name	Package Size
A06C/2KBLKMAT	3607001	2K Matt Black	1L, 4L
A04C/UNIMSS	2139100	Universal (MS) Slow Hardener	500 mL, 1L
A04C/UNIMSN	2139200	Universal (MS) Normal Hardener	500 mL, 1L
A04C/UNIMSF	2139300	Universal (MS) Fast Hardener	500 mL, 1L
A04C/UNIMSSF	2139400	Universal (MS) Super Fast Hardener	500 mL, 1L
A08C/2KTHS	8319100	2K Thinner Slow	1L, 4L, 20L
A08C/2KTHIN	8319200	2K Thinner	1L, 4L, 20L
A08C/2KTHF	8319300	2K Thinner Fast	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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