

Technical Data Sheet

Product Name	
Full Product Name	404 PU Matt Black
Type of Product	2K Acrylic Urethane Topcoat
Description	Concept 404 PU 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
404 PU Matt Black	40.7	49.6	1.030	8.60	519.5	4.34
213 Hardener Slow	35.4	40.9	1.004	8.38	593.8	4.96
213 Hardener Normal	33.3	39.9	0.986	8.23	593.1	4.95
213 Hardener Fast	33.6	40.2	0.968	8.08	578.3	4.83
213 Hardener Super Fast	31.5	38.9	0.938	7.83	572.7	4.78
831 2K Thinner Slow	0.0	0.0	0.893	7.45	892.7	7.45
831 2K Thinner Normal	0.0	0.0	0.882	7.36	881.9	7.36
831 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
<ul style="list-style-type: none"> • Fast drying
<ul style="list-style-type: none"> • Excellent through cure
<ul style="list-style-type: none"> • Excellent levelling and flow
<ul style="list-style-type: none"> • 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)	404 PU Matt Black		213 Hardener Normal	
		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		
		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	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.		

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Product Preparation cont

	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
<p>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.</p>			

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, <u>when compared to similar technology products.</u>
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/404MB/	3607001	404 PU Matt Black	1L, 4L
A04C/213S	2139100	213 Hardener Slow	500 mL, 1L
A04C/213N	2139200	213 Hardener Normal	500 mL, 1L
A04C/213F	2139300	213 Hardener Fast	500 mL, 1L
A04C/213SF	2139400	213 Hardener Super Fast	500 mL, 1L
A08C/8132KS	8319100	831 2K Thinner Slow	1L, 4L, 20L
A08C/8132KN	8319200	2K Thinner Normal	1L, 4L, 20L
A08C/8132KF	8319300	831 2K Thinner Fast	1L, 4L, 20L

Safety
<p>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.</p> <p>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.</p>

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This Technical Data Sheet supersedes all previous issues.

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