

# **Technical Data Sheet**



Product Name	
Full Product Name	404 PU Black
Type of Product	2K Acrylic Urethane Topcoat
Description	Concept 404 PU Black is a high performance 2K black topcoat. It is characterized by excellent flow, producing a jet black appearance, high gloss as well as excellent chemical resistance and durability.

Products						
Product Name	Volume Solids %	Weight Solids %		i <b>sity</b> bs/US gal		<b>OC</b> lbs/US gal
404 PU Black	50.0	53.9	1.047	8.74	482.9	4.03
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**

- High performance, producing a jet black coating
- Fast drying
- Excellent through cure
- Excellent levelling and flow
- High gloss



Date: 21<sup>st</sup> October 2016

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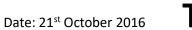
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#### **Substrates**

- 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 404 PU Black		213 Hardener Normal		
		2 parts		1 part		
	Reducer	Up to 10% (v/v) of Concept 2K Thinner, if required.			J.	
AB	Pot life @ 25°C (77°F)	2-3 hours				
S	Spray viscosity @ 25°C (77°F)	BSB 4 Cup Ford 4 Cup	16-17 s 14-15 s			
	Spray equipment	Gun type	Fluid tip	Spray pressure	Spray Distance	
>1 <b>4</b>		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		tion 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 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.					

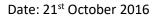
Remarks	
	Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components.
₽₽ / °C	Surface temperature must always be a minimum of 3°C (5°F) above dew point.

### **Equipment Cleaning**

Use recommended Concept Paints cleaner

Dry Film Properties	After 7 days drying, when compared to similar technology products.	
Gloss	Excellent	
Chemical resistance	Excellent	
Durability	Excellent	





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Product Data		
Colour	Black	
Theoretical Coverage	Approx. 9.0 m <sup>2</sup> /L (365 ft <sup>2</sup> /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/2KBLK A04C/UNIMSS A04C/UNIMSN A04C/UNIMSF A04C/UNIMSSF A08C/2KTHS A08C/2KTHIN	3607000 2139100 2139200 2139300 2139400 8319100 8319200	404 PU Black 213 Hardener Slow 213 Hardener Normal 213 Hardener Fast 213 Hardener Super Fast 831 2K Thinner Slow 831 2K Thinner	1L, 4L, 20L 500 mL, 1L 500 mL, 1L 500 mL, 1L 500 mL, 1L 1L, 4L, 20L 1L, 4L, 20L
A08C/2KTHF	8319300	831 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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