

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
241 PU Hardener (4:1) Slow	33.8	38.9	0.988	8.28	593.7	4.98
241 PU Hardener (4:1) Normal	33.3	39.9	0.986	8.23	593.1	4.95
241 PU Hardener (4:1) Fast	33.6	40.2	0.968	8.08	578.3	4.83
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 4:1 (by volume)	404 PU Matt Black		241 PU Hardener (4:1)	
		4 parts		1 part	
	Reducer	Up to 10% (v/v) of Concept 831 2K Thinner, if required.			
	Pot life @ 25°C (77°F)	2-3 hours			
	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
		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.		

Technical Data Sheet

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 035 Gunwash
--

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

Technical Data Sheet

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	Product Name	Package Size
IN40470010004	404 PU Matt Black	4L
IN24191000001	241 PU Hardener (4:1) Slow	1L
IN24192000001	241 PU Hardener (4:1) Normal	1L
IN24193000001	241 PU Hardener (4:1) Fast	1L
IN83191000020	831 2K Thinner Slow	20L
IN83192000020	831 2K Thinner	20L
IN83193000020	831 2K Thinner Fast	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>

The information provided in this documentation has been carefully selected and arranged by us. It is based upon our best knowledge on the subject at the date of issuance. The Information is given for information purposes only. We are not liable for its correctness, accuracy and completeness. It is up to the user to check if the information is current and the product is suitable for its intended purpose. The intellectual property in this Information, including patents, trademarks and copyrights, is protected. All rights reserved.

We may modify and/ or discontinue operation of all or portions of this Information at any time in our sole discretion, without notice and assume no responsibility to update the Information. All rules set forth in this clause shall apply accordingly for any future changes and amendments.

This Technical Data Sheet supersedes all previous issues.

Concept Paints
26-30 Charles Street
St Marys NSW 2760
Sydney, Australia

ph. +61 (2) 9673 2555
fax. +61 (2) 9623 1918
office@conceptpaints.com.au
www.conceptpaints.com.au