

# Technical Data Sheet

Product Name	
Full Product Name	<b>404 PU Colour</b>
Type of Product	2K acrylic urethane topcoat
Description	Concept 404 PU Colour is a 2K acrylic urethane topcoat, suitable for most industrial and commercial applications. It is characterised by its excellent flow, high gloss, 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 Mixed Colour	Depending on the colour					
404 PU Black	40.7	47.5	0.992	8.28	520.8	4.35
404 PU White	39.8	55.00	1.166	9.73	525.5	4.39
241 PU Hardener (4:1) Normal	33.9	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
241 PU Hardener (4:1) Slow	35.4	40.9	1.004	8.38	593.8	4.96
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"> <li>High performance and gloss</li> <li>Excellent levelling and flow</li> </ul>

Substrates
<ul style="list-style-type: none"> <li>Concept HS 2K Primer</li> <li>Sound existing surfaces, except for unstable surfaces such as nitrocellulose or enamels.</li> </ul>

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## Substrate Preparation




**All Substrates**

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



## Product Preparation

	<b>Mixing Ratio</b> 4:1 (by volume)	<b>404 PU Colour</b>		<b>241 PU Hardener (4:1)</b>	
		4 parts		1 part	
	<b>Reducer</b>	Up to 20% (v/v) of Concept 831 2K Thinner Normal, if required.			
	<b>Pot life</b> @ 25°C (77°F)	2-3 hours			
	<b>Spray viscosity</b> @ 25°C (77°F)	<b>BSB 4 Cup</b> <b>Ford 4 Cup</b>	18-20 s 16-17 s		
<b>Spray equipment</b>    	<b>Gun type</b>	<b>Fluid tip</b>	<b>Spray pressure</b>	<b>Spray Distance</b>	
	<b>Gravity feed</b>	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	
	<b>Suction feed</b>	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	
	<b>HVLP</b>	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	
	<b>Number of coats</b>	2-3	Apply one coat followed by one or two even full coats. Avoid heavy wet coats.		
	<b>DFT Recommended</b>	40-50 µm 1.6-2.0 mils			
	<b>Flash off time</b> @ 25°C (77°F)	5-10 min between coats			

## Product Preparation cont

 <b>Drying</b>	<b>Air Dry</b> @ 25°C (77°F)	12-16 hours
	<b>Low Bake</b> @ 50°C (122°F)	20-30 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 035 Gunwash

## Dry Film Properties

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

<b>Gloss</b>	Excellent
<b>Chemical resistance</b>	Excellent
<b>Durability</b>	Excellent

# Technical Data Sheet

Product Data	
Colour	White, Black, Mixed Colours
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	Product Name	Package Size
IN40470000004	404 PU Black	4L
IN40470000005N	404 PU Black	5L (Kit)
IN40470000010	404 PU Black	10L
IN40460000004	404 PU White	4L
IN40460000005N	404 PU White	5L (Kit)
IN40460000010	404 PU White	10L
IN40460000020	404 PU White	20L
IN304XXXXXXXXXX	404 PU Mixed Colour	4L, 5L (Kit), 10L, 20L, >100L
IN24192000001	241 PU Hardener (4:1) Normal	1L
IN24193000001	241 PU Hardener (4:1) Fast	1L
IN24191000001	241 PU Hardener (4:1) Slow	1L
IN83191000020	831 2K Thinner Slow	20L
IN83192000020	831 2K Thinner Normal	20L
IN83193000020	831 2K Thinner Fast	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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